

NEWFIELD



RECEIVED

DEC 10 2004

December 8, 2004

DIV. OF OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill:
Greater Boundary Federal 13-20-8-17

Dear Diana:

Enclosed find an APD on the above referenced well. The proposed location is on Fee surface. When these APD's are received, please contact Brad Mecham to set up a State On-Site. The proposed location is also an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

001

RECEIVED

DEC 10 2004

Form 3160-3
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DIV. OF OIL, GAS & MINING

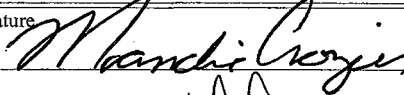

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76954	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production		7. If Unit or CA Agreement, Name and No. Greater Boundary	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Greater Boundary Federal 13-20-8-17	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-013-32734	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SW/SW 592' FSL 970' FWL 582206X 40.097834 At proposed prod. zone 4438851 -110.635602		10. Field and Pool, or Exploratory Monument Butte	
14. Distance in miles and direction from nearest town or post office* Approximatley 11.2 miles southeast of Myton, Utah		11. Sec., T., R., M., or Blk. and Survey or Area SW/SW Sec. 20, T8S R17E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 592' f/lse, 3610 f/unit		12. County or Parish Duchesne	13. State UT
16. No. of Acres in lease 1561.03		17. Spacing Unit dedicated to this well 40 Acres	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2399'		20. BLM/BIA Bond No. on file UTU0056	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5318' GL		23. Estimated duration Approximately seven (7) days from spud to rig release.	
22. Approximate date work will start* 2nd Quarter 2005			
24. Attachments			

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 12/8/04
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 12-23-04
Title ENVIRONMENTAL SCIENTIST III		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

T8S, R17E, S.L.B.&M.

S89°54'W - 80.12 (G.L.O.)

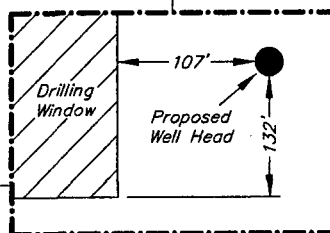
INLAND PRODUCTION COMPANY

WELL LOCATION, GREATER BOUNDARY
UNIT #13-20 LOCATED AS SHOWN IN
THE SW 1/4 SW 1/4 OF SECTION 20,
T8S, R17E, S.L.B.&M. DUCHESNE COUNTY,
UTAH.



**WELL LOCATION:
GREATER BOUNDARY UNIT #13-20**
ELEV. UNGRADED GROUND = 5318.3'

20

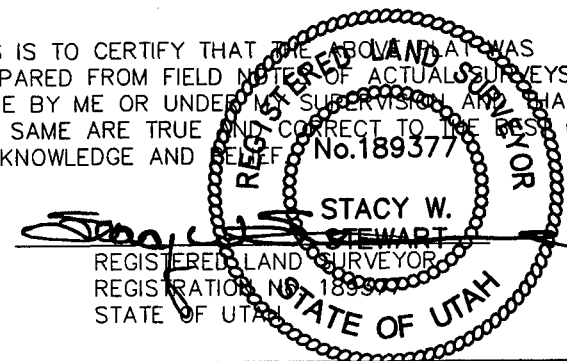


Detail
No Scale

Corner Tie Note:

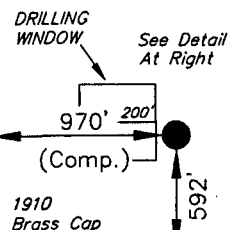
The Well Bears N58°34'43"E 1135.91' from
the Southwest Corner of Section 29

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



**STACY W.
STEWART**

REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH



S89°59'57"W - 2651.16' (Meas.)

S89°56'W - 80.08

S89°56'W G.L.O. (Basis of Bearings)
2651.49' (Measured)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: D.J.S.

DATE: 8-16-04

DRAWN BY: F.T.M.

NOTES:

FILE #

NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY FEDERAL #13-20-8-17
SW/SW SECTION 20, T8S, R17E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1640'
Green River	2330'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2330' – 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
GREATER BOUNDARY FEDERAL #13-20-8-17
SW/SW SECTION 20, T8S, R17E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Boundary Federal #13-20-8-17 located in the SW 1/4 SW 1/4 Section 20, T8S, R17E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 8.1 miles \pm to it's junction with an existing dirt road to the east; proceed easterly - 1.3 miles \pm to it's junction with an existing road to the north; proceed northerly - 0.2 miles \pm to it's junction with the beginning of the access road; proceed westerly along the access road - 2,130' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** – John Price, Duchesne County, Utah.

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Report Waiver is attached. See, Exhibit "D".

For the Greater Boundary Federal #13-20-8-17 Newfield Production Company requests 2,585' of disturbed area be granted in Lease UTU-76954 to allow for construction of the proposed access road. **Refer to Topographic Map "B".** The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 670' of disturbed area be granted in Lease UTU-76956 and 2,585' of disturbed area be granted in Lease UTU-76954 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Reserve Pit Liner

Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Brad Mecham

Address: Route #3 Box 3630
Myton, UT 84052

Telephone: (435) 646-3721

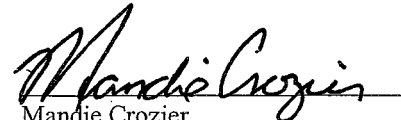
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #13-20-8-17 SW/SW Section 20, Township 8S, Range 17E: Lease UTU-76954 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12/8/04

Date



Mandie Crozier

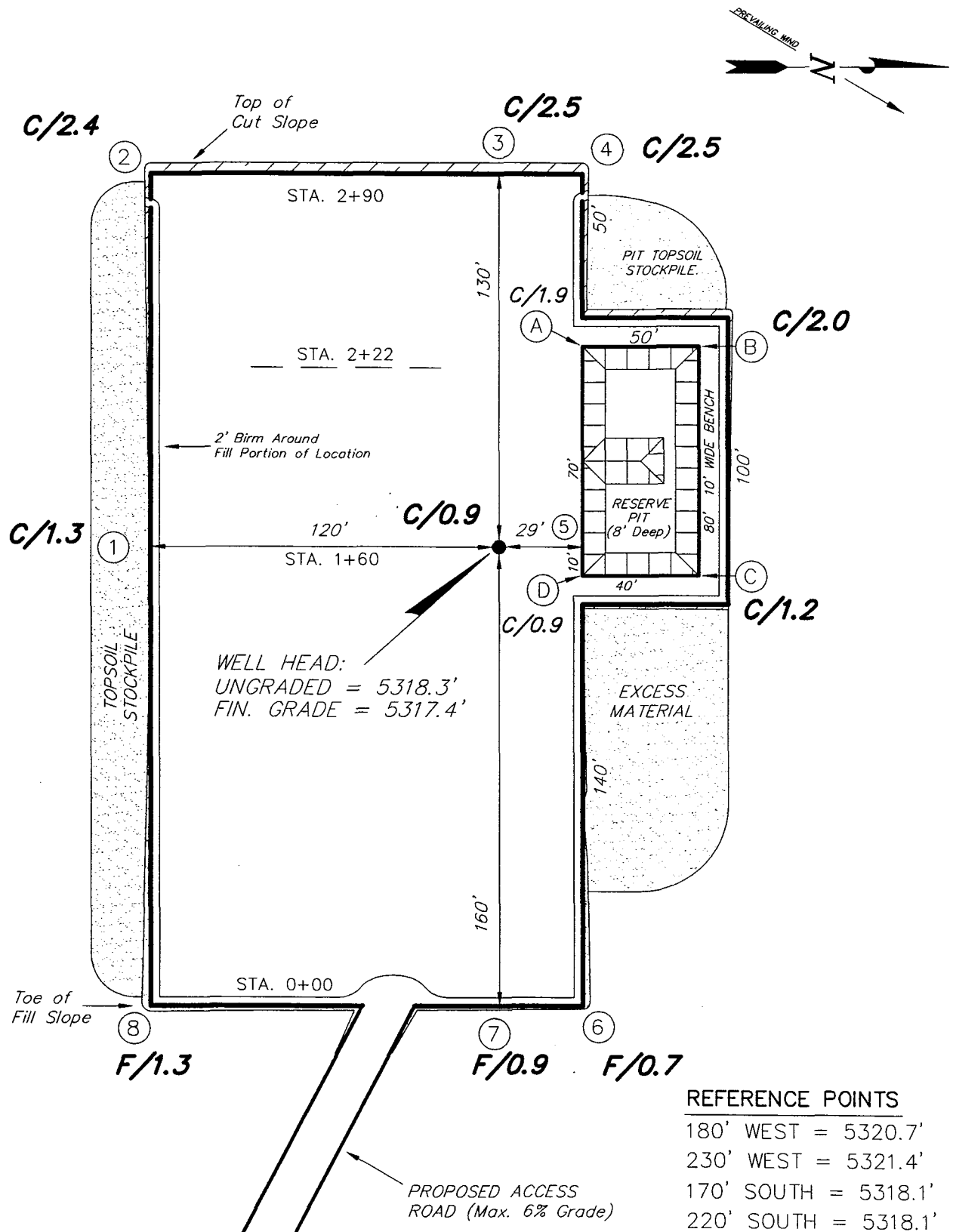
Regulatory Specialist

Newfield Production Company

INLAND PRODUCTION COMPANY

GREATER BOUNDARY UNIT 13-20

Section 20, T8S, R17E, S.L.B.&M.



SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

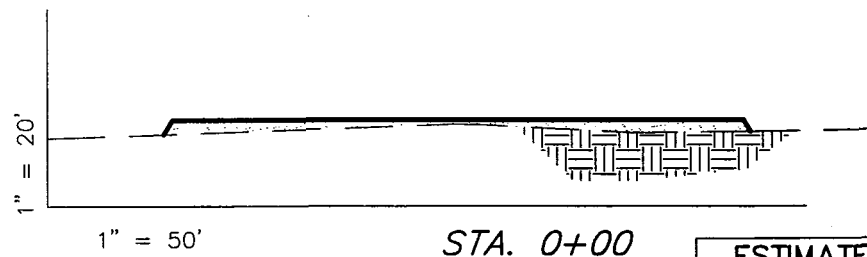
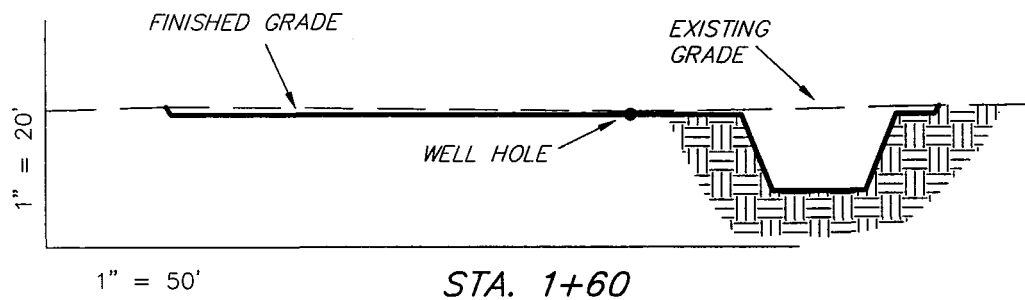
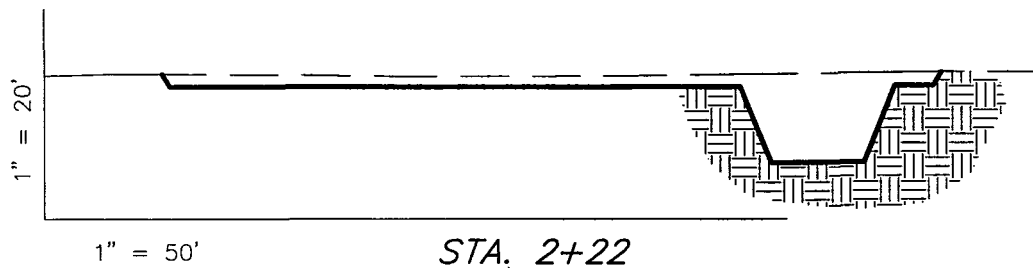
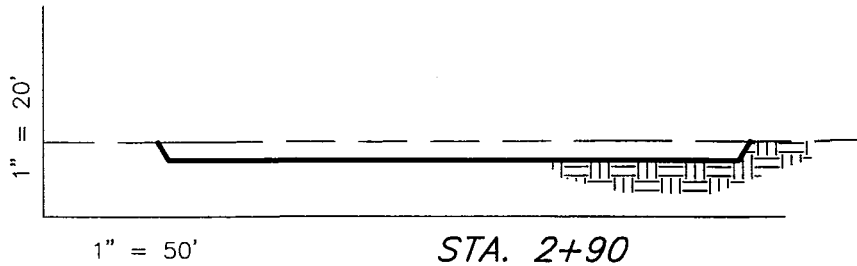
DATE: 8-16-04

Tri State
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE, VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY
CROSS SECTIONS
GREATER BOUNDARY UNIT 13-20



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	630	620	Topsoil is not included in Pad Cut	10
PIT	640	0		640
TOTALS	1,270	620	890	650

SURVEYED BY: D.J.S.

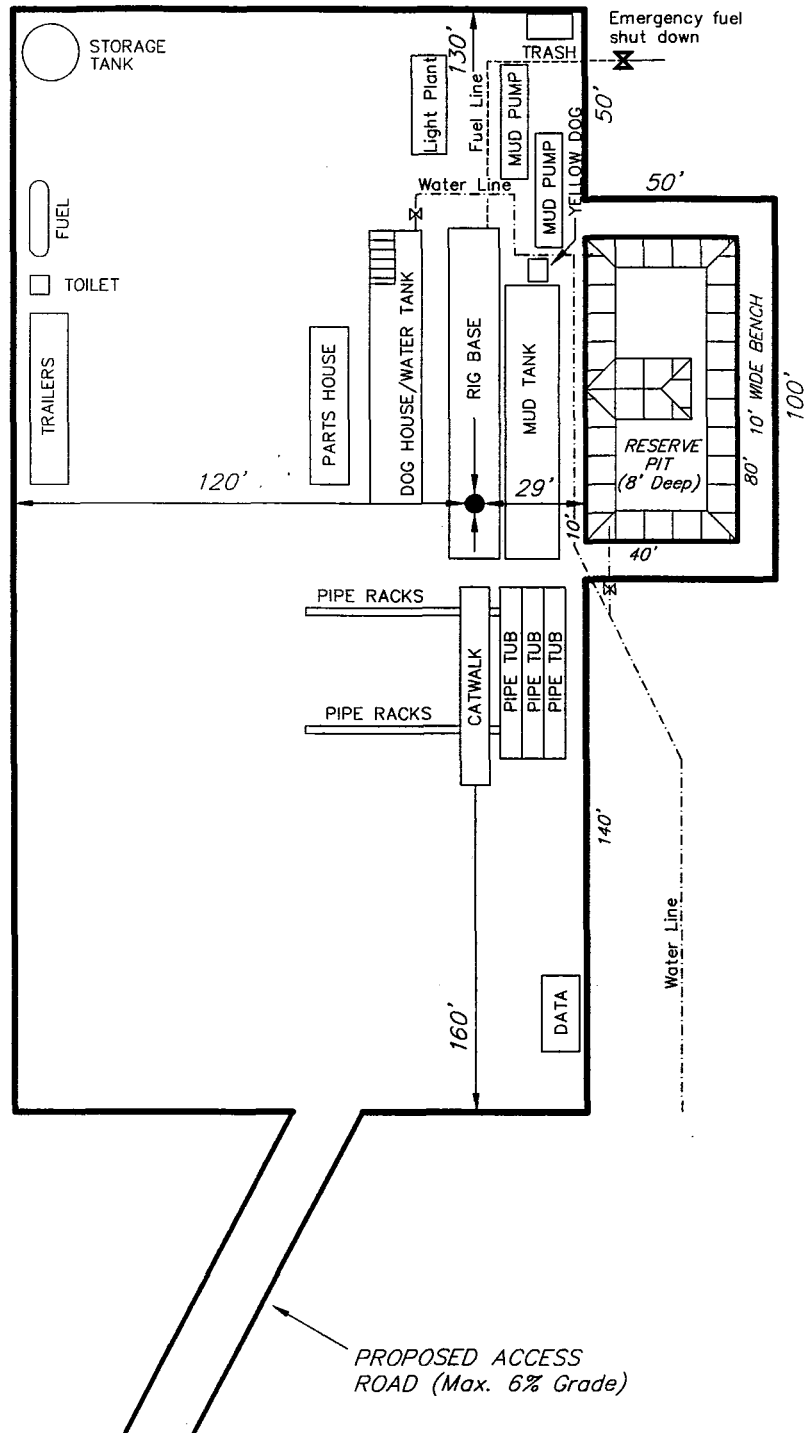
SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-16-04

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

INLAND PRODUCTION COMPANY
TYPICAL RIG LAYOUT
GREATER BOUNDARY UNIT 13-20



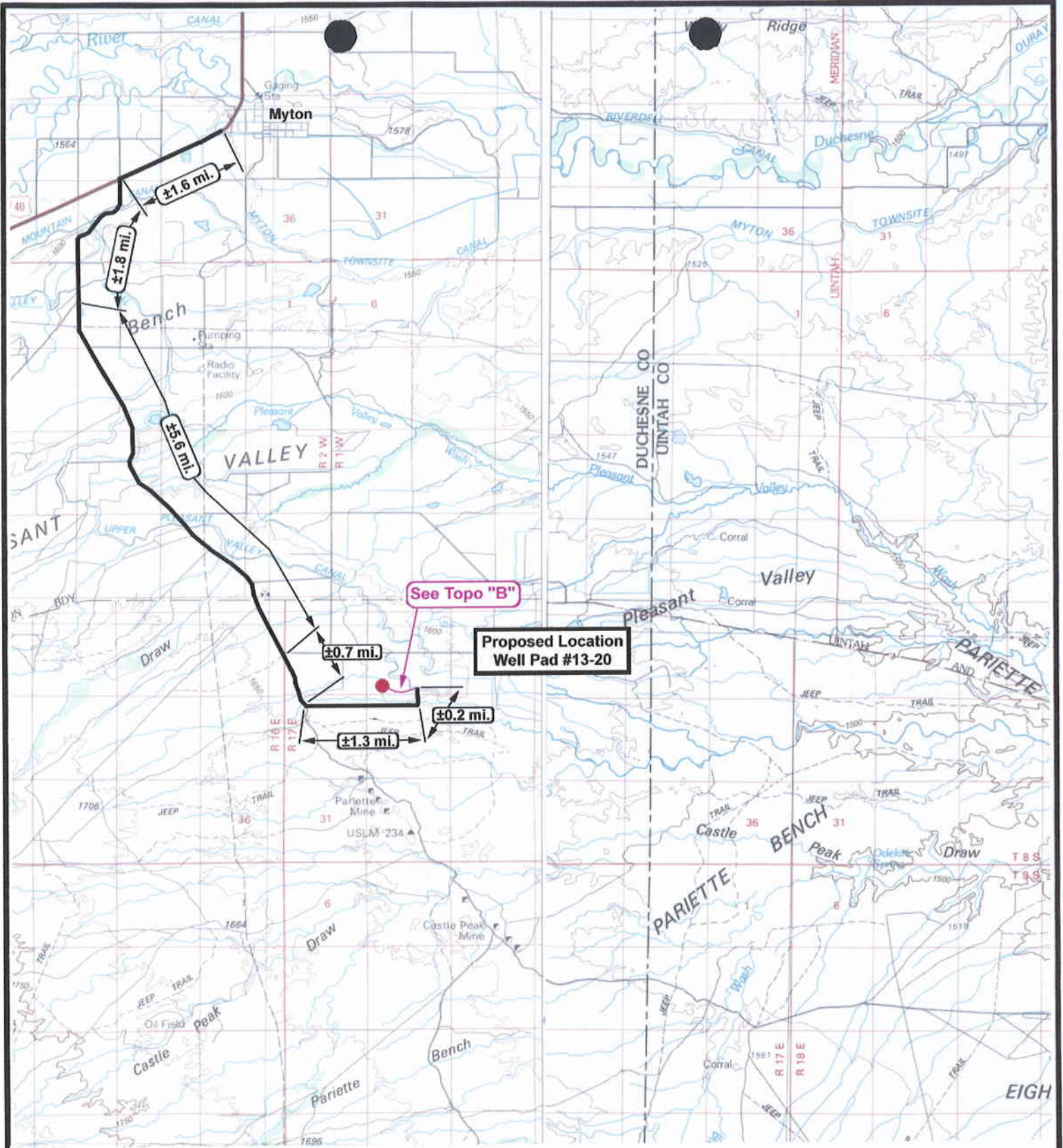
SURVEYED BY: D.J.S.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 8-16-04

Tri State
 Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078
 (435) 781-2501



**Greater Boundary Unit #13-20
SEC. 20, T8S, R17E, S.L.B.&M.**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: bgm
DATE: 08-30-2004

Legend

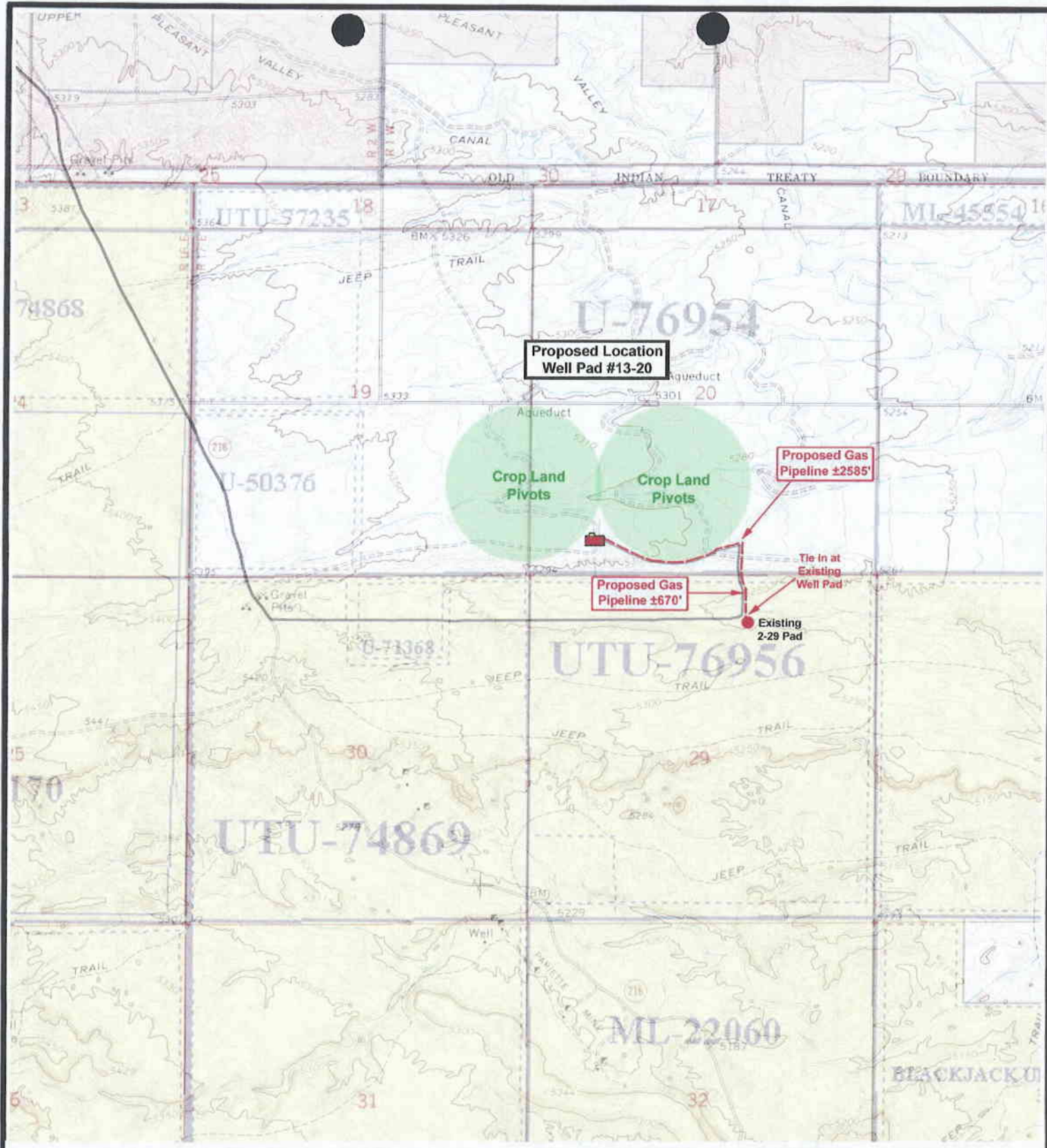
Existing Road

Proposed Access

TOPOGRAPHIC MAP

"A"





**Greater Boundary Unit #13-20
SEC. 20, T8S, R17E, S.L.B.&M.**



**Tri-State
Land Surveying Inc.**
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

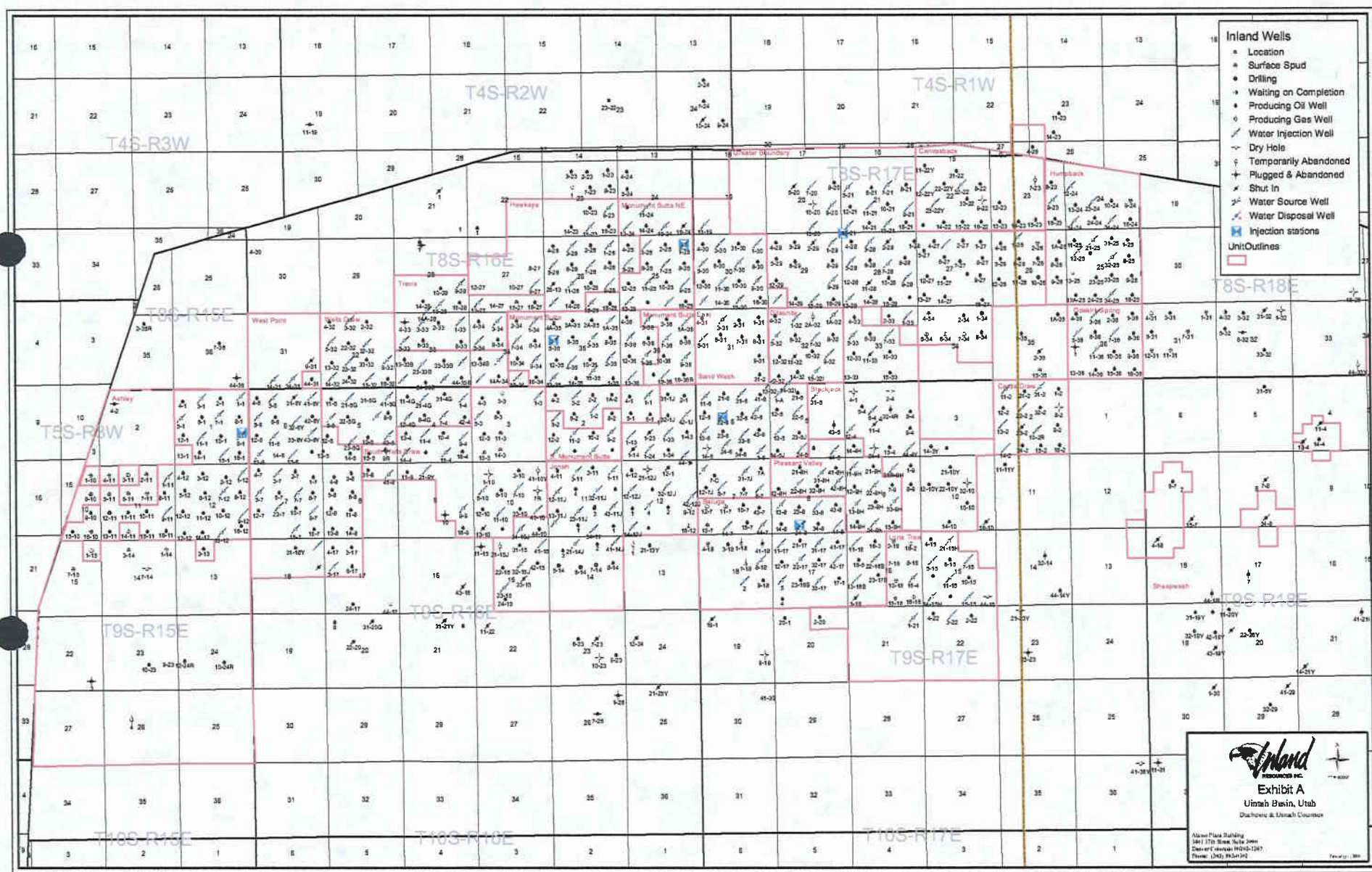
DATE: 09-22-2004

Legend

- Existing Road
- Proposed Access
- Proposed Gas Line

TOPOGRAPHIC MAP

"C"





2-M SYSTEM

Blowout Prevention Equipment Systems

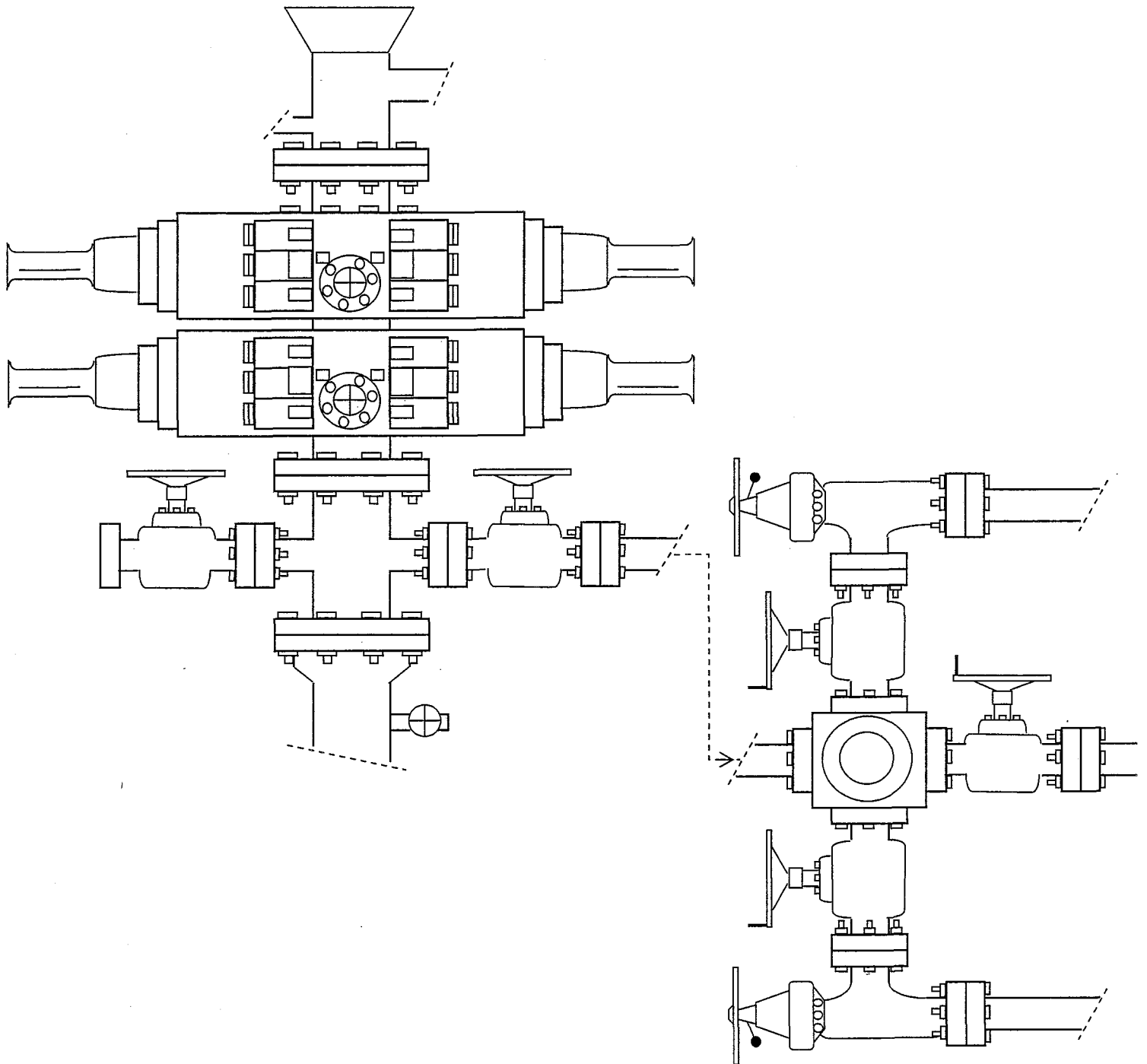


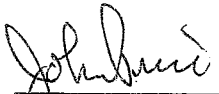
EXHIBIT C

EXHIBIT D


*Greater Boundary 13-20-8-17
SW/SW Sec. 20, T8S, R17E*

ARCHAEOLOGICAL REPORT WAIVER

**For the above referenced location; John Price, the Private Surface Owner.
(Having a Surface Owner Agreement with Inland Production Company)
John Price, representing this entity does agree to waive the request from the
State of Utah for an Archaeological/Cultural Survey. This waiver hereby
releases Inland Production Company from this request.**

 2-30-04

John Price Date
Private Surface Owner

 _____
Brad Mechem Date
Inland Production Company

005

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/10/2004

API NO. ASSIGNED: 43-013-32734

WELL NAME: ^{GB 11/30/05} ~~OR~~ FED 13-20-8-17

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SWSW 20 080S 170E

SURFACE: 0592 FSL 0970 FWL

BOTTOM: 0592 FSL 0970 FWL

DUCHESNE

MONUMENT BUTTE (105)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-76954

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LATITUDE: 40.09783

LONGITUDE: -110.0356

RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[1] Ind[] Sta[] Fee[]
 (No. UTU0056)
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit
 (No. MUNICIPAL)
- ☒ RDCC Review (Y/N)
 (Date: _____)
- ☒ Fee Surf Agreement (Y/N)

LOCATION AND SITING:

____ R649-2-3.

Unit GREATER BOUNDARY II (GR)

____ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

____ R649-3-3. Exception

☒ Drilling UnitBoard Cause No: 225-04Eff Date: 9-22-04Siting: Suspends General Siting

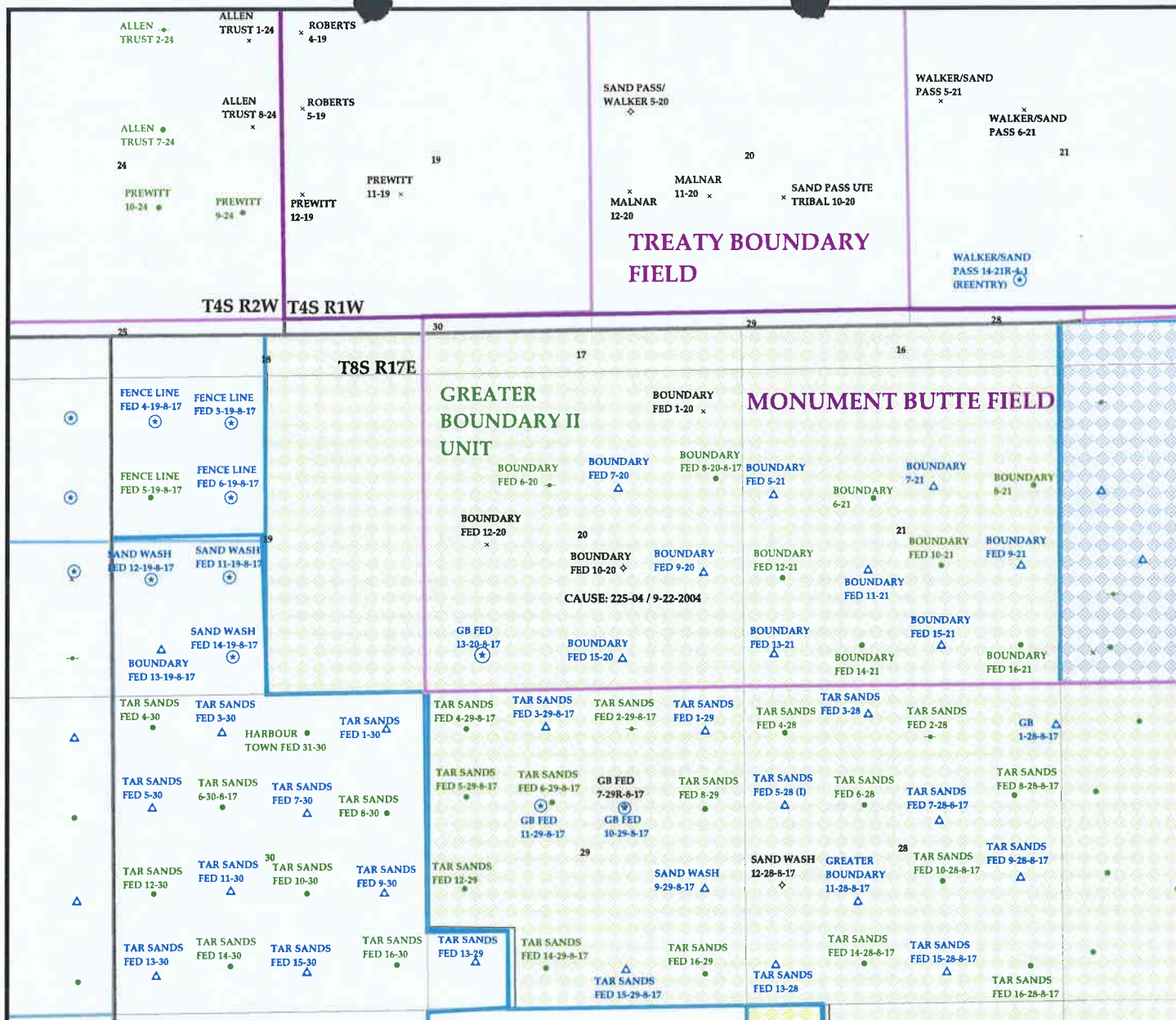
____ R649-3-11. Directional Drill

COMMENTS:

Sap, Separate File
PRESTE (12-20-04)

STIPULATIONS:

- 1- Federal approved
2- Spacing Strip
3- Statement of Basis



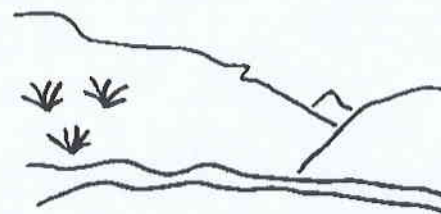
OPERATOR: NEWFIELD PROD CO (N2695)

SEC. 20 T.8S R.17E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

CAUSE: 225-04 / 9-22-2004



Utah Oil Gas and Mining

Wells

- ✱ GAS INJECTION
- ✱ GAS STORAGE
- ✕ LOCATION ABANDONED
- ⊕ NEW LOCATION
- ✧ PLUGGED & ABANDONED
- ✱ PRODUCING GAS
- PRODUCING OIL
- ✱ SHUT-IN GAS
- ✱ SHUT-IN OIL
- ✕ TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- ◆ WATER SUPPLY
- ⚡ WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED



PREPARED BY: DIANA WHITNEY
DATE: 10-DECEMBER-2004

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

OPERATOR: Newfield Production Company
WELL NAME & NUMBER: Greater Boundary Federal 13-20-8-17
API NUMBER: 43-013-32734
LOCATION: 1/4,1/4 SW/SW Sec: 20 TWP: 08 S RNG: 17 E 592 FSL 970 FWL

Geology/Ground Water:

The mineral rights at the proposed wellsite are owned by the Federal Government. The BLM will be the lead agency responsible for reviewing and approving the proposed drilling plan, casing and cementing.

Reviewer: Brad Hill **Date:** 12/23/2004

Surface:

The Roosevelt Field Office scheduled and performed a presite evaluation of the surface area to take input and address issues regarding the drilling and production of this well. John Price (435) 654-2114 was given as the landowner of record by Newfield to the Division. Therefore, John Price was invited by the Division and did attend, along with both his sons, Jeremy and Wade. Pivot sprinkler systems are utilized both east and west of this location to provide water for cropland. Newfield has brought the access road in from the southeast to avoid any conflict with those water systems. No other surface issues were noted at time of visit.

John Price did complain that BLM was impossible to work with. He has leased the surface property west of this location from them for crops and grazing but BLM has raised price year after year until it's no longer cost effective to use their ground. Therefore, he believes that lease will most likely go back to BLM.

A shallow drainage south of this location has had several wells drilled in it. One of those wells had a water flow at thirty feet a few years ago. The vegetation along that wash indicates there could be other areas with shallow surface water. Therefore, this location should most likely have a synthetic liner installed in the reserve pit to protect any potential ground water. The surface and all access on this location is FEE but has Federal Minerals.

Reviewer: Dennis L. Ingram **Date:** December 23, 2004

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: Newfield Production Company
WELL NAME & NUMBER: Greater Boundary Federal 13-20-8-17
API NUMBER: 43-013-32734
LEASE: FEE/UTU-76954 FIELD/UNIT: greater Boundary
LOCATION: 1/4, 1/4 SW/SW Sec: 20 TWP: 08S RNG: 17E F_L F_L
LEGAL WELL SITING: General siting rules suspended.
GPS COORD (UTM): X =0582202E; Y =4438856 N SURFACE OWNER: John Price

PARTICIPANTS

Dennis L. Ingram (DOGM) Brad Mecham (NewField) John Price; Jeremy Price; Wade Price (Landowner)

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Proposed approximately 11.2 miles south of Myton, Utah and on the east side of the Pleasant Valley Road. Most of the surface land in the immediate area has pivot sprinkler type irrigation systems and produce hay or field corn. The topography typically slopes east/northeast and forms a natural drainage toward Pleasant Valley Wash. The surface on and around location consists of rolling hills with only minor slopes. Crop Land pivots are found both east and west of the proposed surface. A shallow east west drainage is found south of location and does have some potential underground water, or water flow potential.

SURFACE USE PLAN

CURRENT SURFACE USE: Crop Land, pivots, antelope range

PROPOSED SURFACE DISTURBANCE: Have propose 2130' of new access road plus location measuring 290'x 149' plus temporary reserve pit and soil stockpile storage outside of described area.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 6-19; 11-19; 14-19; 1-30; 2-30; 3-30; 7-30; 8-30; 9-30; 10-30; 16-30; 1-29; 2-29; 3-29; 4-29; 5-29; 11-29; G29; 8-29; 9-29; 12-29; 13-29; 14-29; 4-28; 13-21; 12-21; 6-20; 7-20; 8-20; 9-20; 15-20

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Pump jack, tanks and other equipment shall remain on location with gas lines along access road to existing pipelines.

SOURCE OF CONSTRUCTION MATERIAL: Native cut and fill using borrowed

ANCILLARY FACILITIES: None requested

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS?
(EXPLAIN): NO

WASTE MANAGEMENT PLAN:

Submitted to the Division with Application to Drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Pivot sprinkler or irrigated crop land; yearlong antelope use, bobcat, raccoon, fox, rabbit and other smaller mammals.

SOIL TYPE AND CHARACTERISTICS: Tan, fine grained sandy loam

SURFACE FORMATION & CHARACTERISTICS: Uinta Formation of Upper Eocene Age

EROSION/SEDIMENTATION/STABILITY: minor erosion, some sedimentation, no stability problems anticipated

PALEONTOLOGICAL POTENTIAL: None observed during onsite review

RESERVE PIT

CHARACTERISTICS: Proposed on north side of location in cut and measuring 40'x 80'x 8' deep, with prevailing winds from the southwest

LINER REQUIREMENTS (Site Ranking Form attached): 25 points

SURFACE RESTORATION/RECLAMATION PLAN

According to landowner agreement

SURFACE AGREEMENT: Yes

CULTURAL RESOURCES/ARCHAEOLOGY: Arch Waiver sign on 7/30/04 by John Price

OTHER OBSERVATIONS/COMMENTS

Pivot wheel sprinkling system to east and west of location, location moved east out of 200 foot window to accommodate landowner, no surface water found but water flows have been found while drilling surface on past wells in draw to south, access road enters from east along southern border of crop field and just north of stock pens, surface is relatively flat and slopes east, rolling hill type habitat.

ATTACHMENTS

Photos of this location were taken and placed on file.

Dennis L. Ingram
DOGM REPRESENTATIVE

December 21, 2004 1:30 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

Final Score 25 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.









United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

December 13, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2003 Plan of Development Greater Boundary
Unit, Duchesne County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2003 within the Greater Boundary Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Green River)

43-013-32734 Greater Boundary Fed 13-20-8-17 Sec 20 T08S R 17E 0592 FSL 0970 FWL

This office has no objection to permitting the well at this time.

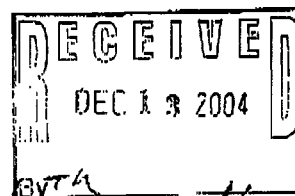
/s/ Michael L. Coulthard

bcc: File - Greater Boundary Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:12-13-04

002

AGREEMENT



THIS AGREEMENT is made and entered into this 6 day of May, 1995 between EVAN PROBST and DEZZIE PROBST, on the one hand (hereinafter referred to as "Probsts"), and JOHN PRICE, BRENDA PRICE, JAY PRICE, and BECKY PRICE, on the other hand (hereinafter collectively referred to as "Prices").

Recitals:

A. Probsts sold and transferred to Prices the following-described tract of land located in Duchesne County, Utah:

The South half of the Southeast quarter of Section 20, Township 8 South, Range 17 East, Salt Lake Meridian, and beginning at the Southeast corner of the Southwest quarter of Section 20, Township 8 South, Range 17 East, Salt Lake Meridian, and running thence West 846.88 feet; thence North 1320 feet; thence East 846.88 feet; thence South 1320 feet to the point of beginning.

The foregoing tract of land is hereinafter referred to as the "Property."

B. Lomax Exploration Company ("Lomax") owns or controls certain interests in various oil and gas leases that include some or all of the Property.

C. John Price and Brenda Price, and Probsts executed a certain "Surface Agreement" with Lomax, a copy of which is attached hereto as Exhibit "A" (the "Lomax Agreement").

D. Probsts executed and delivered to Prices the Quit-Claim Deed, a copy of which is attached hereto marked Exhibit "B." The Quit-Claim Deed covers the Property and states as follows: "RESERVING to the Sellers a 100% proceeds for oil well now on said property."

E. John and Brenda Price have purchased from Jay and Becky Price all of the latters' interest in the Property and under the Lomax Agreement.

F. Since approximately 1990, Lomax has delivered various payments for the account of some or all of Prices and Probsts to the law firm of Clyde, Snow & Swenson, which amounts have been deposited in an interest bearing account. The present balance in that account is \$8,052.49.

G. A dispute existed between the parties concerning their rights to the payments by Lomax under the Lomax Agreement. The parties desire to resolve their rights with respect to payments under the Lomax Agreement on the terms contained in this Agreement.

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OIL, GAS & MINING

NOW THEREFORE, the parties agree as follows:

1. **Disposition of Funds Held by Clyde, Snow & Swenson.** The parties agree that the sum of \$8,052.49 held by Clyde, Snow & Swenson shall be divided as follows:

\$4,774.24 shall be payable to Probsts
\$3,278.25 shall be payable to John and Brenda Price

The parties have agreed that Probsts shall receive \$1,496.00 more than John and Brenda Price because John and Brenda Price in the past received \$1,496.00 more than Probsts from Lomax. Prices and Probsts hereby instruct Clyde, Snow & Swenson to disburse the funds now held by it as set forth above.

2. **Future Payments from Lomax.** The parties agree that all future payments from Lomax concerning the Property shall be paid and divided as follows:

(a) Any payments relating to any oil wells upon the Property other than the 15-20 well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 20, T8S, R7E, SLM shall be payable to John and Brenda Price only, and Probsts shall have no interest in any of such payments.

(b) All payments relating to the 15-20 well on the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 20, T8S, R7E, SLM shall be payable as follows:

(i) Under the Lomax Agreement, Lomax is obligated to pay \$996.00 per year for the "Operating Area" and \$500.00 per year for "Sprinkler System Inconvenience," for a total payment of \$1,496.00. That total payment amount shall be paid by Lomax as follows:

\$600.00 shall be payable to Probsts
\$896.00 shall be payable to John and Brenda Price

John and Brenda Price, and not Probsts, shall be entitled to receive all payments relating to the 15-20 well other than the \$600.00 annual payment amount prescribed above.

(ii) Prices and Probsts agree to execute such additional documents, if any, as may be required by Lomax to cause Lomax to pay John and Brenda Price and Probsts, directly, their respective shares of the subject payments.

(iii) Lomax shall send or deliver the parties' respective payments to the following addresses:

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To Probsts:

355 East 600 North
Midway, Utah 84049

To John and Brenda Price:

1170 South Center Street
Midway, Utah 84049

3. **Releases with Respect to Previous Payments Under Lomax Agreement.**
Prices and Probsts hereby mutually release one another of and from any and all liability or obligation with respect to the manner in which amounts received or disbursed under the Lomax Agreement were handled prior to the date hereof.

4. **Entire Agreement.** The foregoing represents the entire agreement between the parties hereto with respect to the subject matters treated herein. This Agreement may not be amended or supplemented except through a writing executed by all parties hereto.

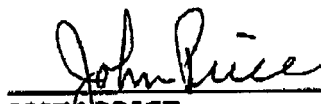
EXECUTED the day and year first above written.

"Probsts":


EVAN PROBST


DEZZIE PROBST

"Prices":


JOHN PRICE


BRENDA PRICE


JAY PRICE


BECKY PRICE

SURFACE AGREEMENT

THIS AGREEMENT, made and entered into by and between JOHN PRICE, whose address is _____, and EVAN PROBST, whose address is Box 344, R.T. 1, RFD. Hays, UT, hereinafter called "Price, et al." and LOMAX EXPLORATION COMPANY, whose address is _____, hereinafter called "Lomax".

W I T N E S S E T H:

WHEREAS, Lomax owns or controls, by assignment, rights and interests in United States Oil and Gas Lease, Serial No. U-50376, which covers the following described lands situated in Duchesne County, Utah:

Township 8 South Range 17 East, SLM

Section 17: All
Section 18: Lots 1 and 2
Section 19: Lots 3-5, E $\frac{1}{2}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$
Section 20: All
Section 21: W $\frac{1}{2}$, SE $\frac{1}{4}$

(containing 1705.60 acres, more or less); and

WHEREAS, Lomax has drilled and completed its 15-20 Well in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 20, Township 8 South, Range 7 East, SLM, and intends to conduct drilling and producing operations on other lands in the area on the described United States Oil and Gas Lease; and

WHEREAS, Price, et al are either the owners in fee or contract purchasers of the surface to a portion of the lands described above, including the 15-20 Well location; and

WHEREAS, the parties desire to settle their disputes on all claims for use of the surface and damage to crops and interruption or interference with agricultural improvements arising from the drilling, completion and production activities and operations on the 15-20 Well, and agree as to the measure of settlement for

EXHIBIT A

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continuing and additional operations by Lomax in the area on surface owned or controlled by Price, et al, on the terms of this Agreement.

NOW, THEREFORE, in consideration of their mutual covenants herein contained, the parties agree as follows:

1. The terms of settlement outlined in Pruitt, Gushee & Fletcher's letter dated April 12, 1984 to Edward W. Clyde, attached hereto as Exhibit A and made a part for all purposes together with the plat depicting the 15-20 areas, ("Settlement") except as it may be modified in the manner otherwise set forth herein, are hereby adopted and confirmed.
2. Lomax agrees to pay the sums described in Sections A and B of the "settlement" promptly upon execution of this Agreement.
3. Price, et al, agree that, upon receipt of the payments, Lomax is released and discharged from any and all claims, demands and losses asserted as of the date of this Agreement and arising out of the 15-20 Well operations of Lomax for crop damage, acreage out of cultivation, interruption or interference with agricultural improvements, trespass and/or negligence.
4. Lomax agrees to pay such further sums related to the 15-20 Well operations described in Section C of the "settlement" on or before September 15th of each calendar year that 15-20 Well operations have continued to affect normal cultivation, watering and harvesting of the 15-20 Well operation area.
5. In respect to those portions of the "settlement" which relate to operations on other lands, it is agreed that the sums to be paid shall be for operating areas approximating four (4)

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acres and the area of use exc. four (4) acres, then additional pro-rated payment shall be calculated and made to Price, et al.

The land identified above as the 15-20 Well is on a rectangular shaped tract of land which is irrigated by a wheel line sprinkling system. All of the remaining irrigated land owned or being acquired by Price, et al, in this immediate area is in several square shaped tracts, each of which is irrigated by one pivot sprinkler. The pivot sprinkler, as presently equipped, irrigates only a circle and the four corner of each of the rectangular shaped tracts are not irrigated. The payment provided for on the bottom of page 3 and the top of page 4 (par. 1(a)) of the attached letter assumes that the well can be located in one of the four dry corners, as Lomax may elect, and that the four acre drill site will not encroach into the irrigated portion of the field. If the well is so located, the \$3,000, plus the \$500 for sprinkling system inconvenience, will obtain. Lomax agrees that it will endeavor to locate the wells in one of said dry corners.

However, if the well location should include crop land irrigated by a pivot sprinkler, then the parties mutually agree to negotiate the extent of crop damage and interruption or interference with agricultural improvements or determine acceptable procedures to minimize the impact of such operations separate from the terms of this Agreement.

6. Following the completion of any well, Lomax agrees:

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- (a) To promptly clean up and maintain all areas of land continuing to be utilized in connection with oil and gas operations;
- (b) If possible, to reduce the producing well operational area to approximately the same area as the production area of the 15-20 Well (i.e. approximately two (2) acres). In the event the production area of a well cannot be reduced to a similar approximate two (2) acres, then Lomax agrees thereafter to pay Price, et al, for additional damage to crops for the crop area in excess of approximately two (2) acres on the formula prescribed in Exhibit A (i.e., 7.5 tons per acre x \$80 per ton); and
- (c) To pay the cost or re-seeding of acreage upon cessation of use.

7. For pipeline right-of-way construction in which a pipeline is laid through surface owned or being acquired by Price, et al, Lomax agrees to a one-time payment of a sum calculated at a rate of \$5.00 per rod; provided, however, as to any part of said pipeline construction which takes place after commencement of seasonable cultivation, but prior to harvest time, the rate shall be based upon the value of crop lost in the resulting disturbed area of cultivation at 7.5 tons per acre x \$80 per ton for crop damage. Pipelines shall be buried below plow depth and surface areas impacted by the construction shall be rehabilitated, including the re-seeding of crop land.

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IN WITNESS WHEREOF, the parties have executed this Agreement
as of the ____ day of _____, 1984.

Mrs. John Price
Mrs. John Price

John Price
John Price

Mrs. Evan Probst
Mrs. Evan Probst

Evan Probst
Evan Probst

LOMAX EXPLORATION COMPANY

By _____
Its _____

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LAW OFFICES

PRUITT, GUSHER & FLETCHER

SUITE 1000 BENEFICIAL LIFE TOWER

SALT LAKE CITY, UTAH 84101

(801) 531-0440

ROBERT G. PRUITT, JR.
OLIVER W. GUSHER, JR.
P. ALAN FLETCHER
ROBERT G. PRUITT, III
THOMAS W. BACHTTELL

April 12, 1984

Mr. Edward W. Clyde, Esq.
CLYDE, PRATT, GIBBS & CAHOON
200 American Savings Plaza
77 West 200 South
Salt Lake City, UT 84101

Re: John Price et al -- Lomax

Dear Mr. Clyde:

The purpose of this letter is to provide you with the results of the survey made jointly by Mr. Price and Lomax representatives with a registered land surveyor on Friday, April 6, 1984 as to the 15-20 Well location area. Delay in furnishing this information to you has been caused by the failure to receive the survey plat from the surveyor, until yesterday.

Enclosed is a copy of the survey plat which reflects the location of the well and the boundaries of several parcels of land either currently, or in the past, involved in the 15-20 operations, or affected by it. The plat is clear, with one exception. This is the parcel marked "A" which inaccurately reflects that it contains 2.76 acres. Actually, "A" contains 2.05 acres, including the pink area. The 2.76 acres covers the total for Parcels A, D and E. A revised plat is being obtained from the surveyor, and I'll send you a copy of it.

The area shown in pink was an area not cultivated by Mr. Price in 1983. It also included a portion of the pit. Inasmuch as the pit area has been restored and covered over with topsoil, the portion of it in the pink area will no longer be out of production and, although you have had some concern in the past as to its productivity for the coming years, we believe that will not be a problem. If it should be, then we will be prepared to compensate for the difference in the value of the crop in a normal year against the production for 1984 and any additional years in which the productivity for the pit area is less than normal. Item C is identified to me as an area which Mr. Price did not cultivate because of the operation. Again, both the pink area and Parcel C will be capable of cultivation for 1984. Parcel E has been identified as an area that was utilized during the operating year 1983 but will no longer be utilized for the well operation. The land area either

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OIL, GAS & MINING

Mr. Edward W. Clyde, Esq.
April 12, 1984
Page 2

has already been restored or will be restored to its normal condition and reseeded at Lomax's expense. Area D has been identified at all times as non-crop land and to the extent that use does not continue, will be restored and reseeded. Thus, for 1984 and thereafter, so long as operations continue in connection with the 15-20 Well, we are dealing with Area A (2.05 acres) and Area B (1.38 acres) which will be out of cultivation.

In reviewing the area on the ground and evaluating the question of inconvenience in connection with the sprinkling system, we propose to add for 1983 and for each year thereafter that operation of the 15-20 Well continues, the sum of \$500 for inconvenience and adjustment of the sprinkling system to accommodate the 15-20 operations. There is great uncertainty in our minds as to the true value of the inconvenience, but in any event as an element of settlement, it has been determined that \$500 per year would be a reasonable amount.

The following is therefore proposed as a settlement for the 15-20 operations:

- A. 1982. No area was actually disturbed. Although the well was not drilled during this crop season and no excavation occurred, you have advised that Mr. Price refrained from cultivating, watering and harvesting the staked drillsite tract consisting of 1.54 acres, including the pit, and, therefore, such parcel of land was out of production by reason of Lomax's operations. Inasmuch as Lomax was not responsible for interference with cultivation of the small tract in the corner (see your letter of November 29, 1983 (sic?)), the damage payment would be limited to the acreage in the staked location and calculated as follows:

1.54 acres at 7.5 tons per acre x \$80 = \$924.00.

Total value of 1982 crop damage = \$924.00

B. 1983.

- (1) Total Disturbed Area (or area unable to be cultivated) of Crop Land (Parcels A, C and E --
2.63 acres at 7.5 tons per acre x \$80 = \$1,578.00.
- (2) Small Tract of Land Out of Production (Parcel B) --
1.38 acres at 7.5 tons per acre x \$80 = \$828.00.

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Mr. Edward W. Clyde, Esq.
April 12, 1984
Page 3

- (3) Road Area -- Non-Crop Land -- .21 acres -commitment on the part of Lomax to maintain the road and restore the ground and reseed upon completion of operations.
- (4) Non-Crop Parcel (Parcel D) on the South Boundary of the Disturbed Area -- .26 acres to be restored and reseeded upon completion of operations.
- (5) Sprinkler System Inconvenience -- \$500.00

Total Value of 1983 Crop Damage = \$2,906.00

C. 1984 and Thereafter.

- (1) Operating Area (Parcel A, less pink area) -- 2.05 acres - .39 acres = 1.66 acres @ 7.5 tons per acre x \$80 = \$996.00
- (2) Small Tract of Land Out of Production -- (Parcel B) -- 1.38 acres at 7.5 tons per acre at \$80 = \$828.00
- (3) Sprinkler System Inconvenience -- \$500.00

Total Value of 1984 and
Thereafter Crop Damage = \$2,324.00*

* Because there is uncertainty as to the potential productivity of the pit area (.34 acres), at the conclusion of the 1984 season and thereafter as long as 15-20 Well operations continue, should Mr. Price have cultivated, watered and harvested the pit area in the usual manner and the resulting crop be less than the norm (7.5 tons per acre), then Lomax will make payment for the difference in value as to that area.

The remaining part of the proposed settlement relates to operations on other lands. The experience in attempting to resolve differences as to the 15-20 Well location suggests to Lomax that a flat sum approach would be a great deal less inconvenient to all parties. We therefore propose the following as to future wells:

1. When wells are located on irrigated land which utilize sprinkler system:

- (a) A lump sum payment for the year in which drilled for crop damage by reason of roads, drillsite

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Mr. Edward W. Clyde, Esq.
April 12, 1984
Page 4

locations, pits, equipment and facilities --
\$3,000.00, plus the sum of \$500 for sprinkling
system inconvenience.

(b) For subsequent years, the sum of \$1,000 per
acre per year for land remaining in use, plus
\$500 for sprinkling system inconvenience.

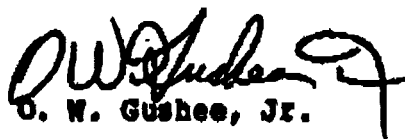
2. Future Wells on Non-Crop Land. A one time payment
of \$1,000 per acre for drillsite locations, roads,
pits, equipment and facilities.

We believe that the proposals contained in this letter
represent a fair resolution for the 15-20 operations and provide
a basis for settlement on other operations. It is the extent
to which Lomax is willing to go to settle this matter.

For your information, I am advised that Lomax is accom-
modating, if at all possible, Mr. Price's desire that well
locations not be situated upon cultivated land. In that respect,
the most recent location discussed with him is to be placed in
a corner outside the range of his sprinkling system.

If this proposal is agreeable to you, we will prepare a
short formal agreement for execution by both parties and deliver
a check to you for transmittal to Mr. Price upon his execution.
Please advise.

Very truly yours,


O. W. Gushee, Jr.

OWG:ph
0719.10

cc: Lomax Exploration Company
P.O. Box 4503
Houston, TX 77210-4503

Mr. Dave Perkins, District Landman
Lomax Exploration Company
P.O. Box 511060
Salt Lake City, UT 84151-1061

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DIV. OF OIL, GAS & MINING

Recorded at Request of County 2 co May 10 1984
 at 11:32 A.M. Fee Paid \$6.50 Maple W. Bunnick Recorder
 By Quakane ca Dep. Book A-114 Page 74 Rd.
 Mail tax notice to _____ Address _____

²⁰⁰⁸
QUIT CLAIM DEED

EVAN PROBST and DEZZIE PROBST

of _____, County of _____, State of Utah, hereby
 QUIT CLAIM to

JOHN PRICE and BRENDA PRICE, his wife as joint tenants; and
 JAY PRICE and BECKY PRICE, his wife as joint tenants.

of _____, Grantor
 ONE and no/100 _____ for the sum of
 the following described tract of land in _____ DUCHESNE _____
 State of Utah, to wit: _____ County,

The South half of the Southeast quarter of Section 20, Township 8 South, Range 17 East, Salt Lake Meridian, and beginning at the Southeast corner of the Southwest quarter of Section 20, Township 8 South, Range 17 East, Salt Lake Meridian, and running thence West 846.88 feet; thence North 1320 feet; thence East 846.88 feet; thence South 1320 feet to the point of beginning.

TOGETHER WITH 86 2/3 shares of water in the Vintah Basin Irrigation Company.

ALSO INCLUDING all wheel lines, pivots, pumps, mainline etc. pertaining to the irrigation system of the farm.

TOGETHER with all improvements thereon and appurtenances thereunto belonging.

RESERVING to the Sellers a 100% ^{86 2/3} proceeds for oil well now on said property.

WITNESS the hand of said grantor, this 8th day of May 19 84

Signed in the presence of

STATE OF UTAH, }
 County of Wasatch }
 On the 8th day of May 19 84

personally appeared before me

EVAN PROBST and DEZZIE PROBST

the signers of the foregoing instrument, who duly acknowledged to me that they executed the same.



[Signature]
 Notary Public, residing at

Reber, Utah 84022

My commission expires 2/14/87

RECEIVED "B"

DEC 14 2004

U.S. OIL, GAS & MINING



State of Utah

Department of
Natural Resources

ROBERT L. MORGAN
Executive Director

Division of
Oil, Gas & Mining

MARY ANN WRIGHT
Acting Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

December 23, 2004

Newfield Production
Rt. #3, Box 3630
Myton, UT 84052

Re: Greater Boundry Federal 13-20-8-17 Well, 592' FSL, 970' FWL, SW SW,
Sec. 20, T. 8 South, R. 17 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32734.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

(for) John R. Baza
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production
Well Name & Number Greater Boundry Federal 13-20-8-17
API Number: 43-013-32734
Lease: UTU-76954

Location: SW SW **Sec.** 20 **T.** 8 South **R.** 17 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338.

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

007

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DEC 10 2004

BLM VERNAL, UTAH

Form 3160-3
(September 2001)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.

UTU-76954

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.

Greater Boundary

8. Lease Name and Well No.

Greater Boundary Federal 13-20-8-17

9. API Well No.

43-013-32734

10. Field and Pool, or Exploratory

Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

SW/SW Sec. 20, T8S R17E

12. County or Parish

Duchesne

13. State

UT

1a. Type of Work: ☒ DRILL☐ REENTER1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface SW/SW 592' FSL 970' FWL

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

Approximatley 11.2 miles southeast of Myton, Utah

15. Distance from proposed*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 592' f/lse, 3610 f/unit

16. No. of Acres in lease

1561.03

17. Spacing Unit dedicated to this well

40 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.

Approx. 2399'

19. Proposed Depth

6500'

20. BLM/BIA Bond No. on file

UT00056

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5318' GL

22. Approximate date work will start*

2nd Quarter 2005

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Mandie Crozier

Date

12/8/04

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Assistant Field Manager
Mineral Resources

Office

05/11/2005

Application approval does not warrant or certify the applicant's title or ownership in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

RECEIVED NOTICE OF APPROVAL

MAY 1 / 2005

DIV. OF OIL, GAS & MINING

05140669A

10 105

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Operator/Company: Newfield Production Co.

Well Name/Number: Federal 13-20-8-17

API Number: 43-013-32734

Location: SWSW Sec Tship Rng.: 20, T8S, R17E

Lease Number: UTU-76954

Agreement Name (If Applicable): N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware that fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Please submit an electronic copy of all logs run on this well in LAS format. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF or other).

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Kirk Fleetwood (435) 828-7874
Petroleum Engineer

Michael Lee (435) 828-7875
Petroleum Engineer

BLM FAX Machine (435) 781-4410

Base of usable water is approximately 317 feet which is within the vicinity of the proposed setting depth of 290 feet for the surface casing. To protect and isolate the usable water, the operator is required to complete 'one' of the two described actions as follows:

(1.) Change the proposed setting depth of the surface casing to a depth deeper than 517 feet which provides a isolation or separation minimum of two hundred feet (200') below the base of usable water or

(2.) For the cementing program of the casing string opposite the usable water, presumably the production casing, the circulation or top of cement on the production string is to be 90 feet or higher, which is two hundred feet above the estimated usable water flows of 317 and 290 feet.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: NEWFIELD PRODUCTION COMPANY

Well Name: GB FED 13-20-8-17

Api No: 43-013-32734 Lease Type: FED – FEE SURF

Section 20 Township 08S Range 17E County DUCHESNE

Drilling Contractor NDSI RIG # NS#1

SPUDDED:

Date 11/30/05

Time 9:00 AM

How DRY

Drilling will Commence: _____

Reported by FLOYD MITCHELL

Telephone # 1-435-823-3610

Date 11/30/2005 Signed CHD

RECEIVED
DEC 01 2005

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTOM, UT 84052

DIV. OF OIL, GAS & MINING
OPERATOR ACCT NO N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12391	43-013-32785	GREATER BOUNDARY 14-20-8-17	SESW	20	8S	17E	DUCHESNE	11/23/05	12/1/05
WELL 1 COMMENTS: <i>GRRU</i>											
- J											
A	99999	15082	43-047-36073	FEDERAL 2A-35-8-17	NWNE	35	8S	17E	UINTAH	11/28/05	12/1/05
WELL 2 COMMENTS: <i>GRRU</i>											
- J											
A	99999	15083	43-013-32598	FEDERAL 11-20-9-16	NESW	20	9S	16E	DUCHESNE	11/29/05	12/1/05
WELL 3 COMMENTS: <i>YNCS</i>											
- J											
B	99999	12391	43-013-32734	GREATER BOUNDARY 13-20-8-17	SWSW	20	8S	17E	DUCHESNE	11/30/05	12/1/05
WELL 4 COMMENTS: <i>GRRU</i>											
- J											
	99999										
WELL 5 COMMENTS:											
	99999										
WELL 6 COMMENTS:											

ACTION CODES (see instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Reassign well from one existing entity to another existing entity
- D - Reassign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Signature: Kim Kettle Kim Kettle
Production Clerk
Date: December 1, 2005

12/01/2005 11:03 4356463031

INLAND

PAGE 02

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

5. Lease Serial No.

UTU76954

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY 13-20-8-17

9. API Well No.

4301332734

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

592 FSL 970 FWL

SW/SW Section 20 T8S R17E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 11-30-2005 MIRU NDSI NS # 1. Spud well @ 9:00 AM. Drill 320' of 12 1/4" hole with air mist. TIH W/ 8 Jt's 8 5/8" J-55 24 # csgn. Set @ 319.28' KB On 12-01-2005 cement with 161 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 5 bbl cement to pit. WOC.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Troy Zufelt

Title

Drilling Foreman

Signature

Date

12/02/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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Title

Date

Office

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(Instructions on reverse)

DEC 07 2005

DEPARTMENT OF THE INTERIOR

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 319.28

LAST CASING 8 5/8" SET / 319.28
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 320' LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL G B Federal 13-20-8-17
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Shoe Joint 35.83'					
		WHI - 92 csg head			8rd	A	0.95
8	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	307.43
		GUIDE shoe			8rd	A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			309.28
TOTAL LENGTH OF STRING		309.28	8	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			319.28

TOTAL	307.43	8	} COMPARE	
TOTAL CSG. DEL. (W/O THRDS)	307.43	8		
TIMING	1ST STAGE			
BEGIN RUN CSG.	Spud	11/30/2005	2:00 PM	GOOD CIRC THRU JOB <u>Yes</u>
CSG. IN HOLE		12/1/2005	3:00 PM	Bbls CMT CIRC TO SURFACE <u>5</u>
BEGIN CIRC		12/1/2005	5:08 PM	RECIPROCATED PIPE FOR <u>N/A</u>
BEGIN PUMP CMT		12/1/2005	5:20 PM	
BEGIN DSPL. CMT		12/1/2005	5:31 PM	BUMPED PLUG TO <u>450</u> PSI
PLUG DOWN		12/1/2005	5:40 PM	

CEMENT USED		CEMENT COMPANY- B. J.	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield	
CENTRALIZER & SCRATCHER PLACEMENT		SHOW MAKE & SPACING	
Centralizers - Middle first, top second & third for 3			

COMPANY REPRESENTATIVE Troy Zufelt DATE 12/1/2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUBMIT IN TRIPLICATE - Other Instructions on reverse side		5. Lease Serial No. UTU76954
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name.
2. Name of Operator Newfield Production Company		7. If Unit or CA/Agreement, Name and/or No. GREATER BOUNDARY II
3a. Address Route 3 Box 3630 Myton, UT 84052	3b. Phone No. (include area code) 435.646.3721	8. Well Name and No. GREATER BOUNDARY 13-20-8-17
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 592 FSL 970 FWL SW/SW Section 20 T8S R17E		9. API Well No. 4301332734
		10. Field and Pool, or Exploratory Area Monument Butte
		11. County or Parish, State Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

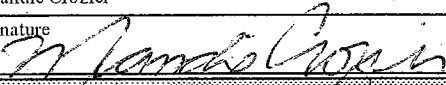
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and correct Name (Printed/ Typed) Mandie Crozier	Title Regulatory Specialist
Signature 	Date 01/06/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____	

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(Instructions on reverse)

RECEIVED

JAN 09 2006

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
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SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Newfield Production Company

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
592 FSL 970 FWL
SW/SW Section 20 T8S R17E

5. Lease Serial No.

UTU76954

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA Agreement, Name and/or No.

GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY 13-20-8-17

9. API Well No.

4301332734

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Variance _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

1-20-06
CHS

I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
Mandie Crozier

Signature

Title

Regulatory Specialist

Date

01/06/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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(Instructions on reverse)

Utah Division of
Oil, Gas and Mining
Office

1/12/06

RECEIVED
JAN 9 2006

Federal Approval Of This
Action Is Necessary

Date

By: [Signature]

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

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SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address

Route 3 Box 3630
Myton, UT 84052

3b. Phone No. (include are code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

592 FSL 970 FWL

SW/SW Section 20 T8S R17E

5. Lease Serial No.

UTU76954

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GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY 13-20-8-17

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11. County or Parish, State

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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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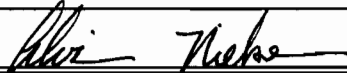
On 12/2/05 MIRU Union Rig # 14. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 249'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6,500'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 152 jt's of 5.5 J-55, 15.5# csgn. Set @ 6493' / KB. Cement with 350 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 500 sks cement mixed @ 14.4 ppg & 1.24 yld. With 13 bbls cement returned to pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig 3:00 PM 12-10-05

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)

Alvin Nielsen

Signature



Title

Drilling Foreman

Date

12/10/2005

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Approved by

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Title

Office

Date

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(Instructions on reverse)

DEC 13 2005

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT 6493.03

Flt cllr @ 6449.38

LAST CASING 8 5/8" SET AT 319'

OPERATOR Newfield Production Company

DATUM 12' KB

WELL GB 13-20-8-17

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT Monument Butte

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # Union # 14

TD DRILLER 6500 LOGGER 6501

HOLE SIZE 7 7/8"

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		6.20' short jt @ 4529'					
152	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	6435.38
		Float collar					0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.4
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING LESS CUT OFF PIECE PLUS DATUM TO T/CUT OFF CSG CASING SET DEPTH } COMPARE			6495.03
TOTAL LENGTH OF STRING		6495.03	153				14
LESS NON CSG. ITEMS		15.25					12
PLUS FULL JTS. LEFT OUT		84.99	2				6493.03
TOTAL		6564.77	155				
TOTAL CSG. DEL. (W/O THRDS)		6328.87	155				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		12/10/2005	2:00 AM	GOOD CIRC THRU JOB YES			
CSG. IN HOLE		12/10/2005	7:30 AM	Bbls CMT CIRC TO SURFACE 13			
BEGIN CIRC		12/10/2005	7:30 AM	RECIPROCATED PIPE FOR THRUSTROKE No			
BEGIN PUMP CMT		12/10/2005	8:56 AM	DID BACK PRES. VALVE HOLD ? YES			
BEGIN DSPL. CMT		12/10/2005	9:56	BUMPED PLUG TO 2141 PSI			
PLUG DOWN		12/10/2005	10:21 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	350	Premlite II w/ 10% gel + 3 % KCL, 3#s /sk CSE + 2# sk/kolseal + 1/2#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.43 cf/sk yield					
2	500	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Alvin Nielsen

DATE 12/10/2005

DEC 13 2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Newfield Production Company

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone No. (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

592 FSL 970 FWL

SW/SW Section 20 T8S R17E

5. Lease Serial No.

UTU76954

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

GREATER BOUNDARY II

8. Well Name and No.

GREATER BOUNDARY 13-20-8-17

9. API Well No.

4301332734

10. Field and Pool, or Exploratory Area
Monument Butte

11. County or Parish, State

Duchesne, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Status report for time period 12/19/05 - 01/05/06

Subject well had completion procedures initiated in the Green River formation on 12-19-05 without the use of a service rig over the well. A cement bond log was run and a total of five Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (6080'-6088'), (6036'-6040'); Stage #2 (5457'-5466'); Stage #3 (5330'-5337') Stage #4 (5138'-5148'); Stage #5 (4718'-4727'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 12-28-2005. Bridge plugs were drilled out and well was cleaned to 6447'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 01-05-2006.

I hereby certify that the foregoing is true and correct

Name (Printed/ Typed)
Lana Nebeker

Signature

Title

Production Clerk

Date

01/23/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

JAN 24 2006

(See other instructions on reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 592' FSL & 970' FWL (SW/SW) Sec. 20, T8S, R17E

At top prod. Interval reported below

At total depth

14. API NO.

43-013-32734

DATE ISSUED

12/23/04

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

11/30/05

16. DATE T.D. REACHED

12/9/05

17. DATE COMPL. (Ready to prod.)

1/5/06

18. ELEVATIONS (DE. RKB, RT. GR. ETC.)*

5318' GL

19. ELEV. CASINGHEAD

5330' KB

20. TOTAL DEPTH, MD & TVD

6500'

21. PLUG BACK T.D., MD & TVD

6447'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4718'-6088'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	319'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	6493'	7-7/8"	350 sx Premlite II and 500 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 6172'	TA @ 6075'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1&2) 6036'-40', 6080'-88'	.41"	4/48	6036'-6088'	Frac w/ 71,947# 20/40 sand in 589 bbls fluid
(B1) 5457'-5466'	.41"	4/36	5457'-5466'	Frac w/ 34,729# 20/40 sand in 429 bbls fluid
(C) 5330'-5337'	.41"	4/28	5330'-5337'	Frac w/ 19,906# 20/40 sand in 304 bbls fluid
(D1) 5138'-5148'	.41"	4/40	5138'-5148'	Frac w/ 19,947# 20/40 sand in 324 bbls fluid
(GB6) 4718'-4727'	.41"	4/36	4718'-4727'	Frac w/ 31,669# 20/40 sand in 347 bbls fluid

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DATE FIRST PRODUCTION 1/5/06		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 15.5' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 30 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBL 52	GAS--MCF 43	WATER--BBL 54		GAS-OIL RATIO 827
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL	GAS--MCF	WATER--BBL		OIL GRAVITY--API (CORR.)	
							RECEIVED	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

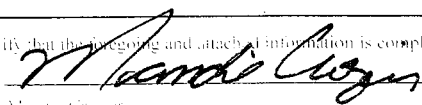
TEST WITNESSED BY

FEB 09 2006

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED



(by)

Regulatory Specialist

2/6/2006

DIV. OF OIL, GAS & MINING

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<div>Well Name</div> <div>Greater Boundary Federal 13-20-8-17</div>	Garden Gulch Mkr Garden Gulch 1 Garden Gulch 2 Point 3 Mkr X Mkr Y-Mkr Douglas Creek Mkr BiCarbonate Mkr B Limestone Mkr Castle Peak Basal Carbonate Total Depth (LOGGERS)	4119' 4323' 4444' 4729' 4964' 4997' 5125' 5379' 5521' 5984' 6419' 6501'	



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

Ref: 8P-W-GW

JUL 2 2007

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. David Gerbig
Operations Engineer
Newfield Production Company
1401 Seventeenth Street – Suite 1000
Denver, CO 80202

RECEIVED

JUL 10 2007

43-013-32734 DIV. OF OIL, GAS & MINING
85 NE 20
RE: Additional Well: Canvasback Area Permit
Final UIC Permit No. UT20855-00000
Well ID: UT20855-01568
Greater Boundary Federal No. 13-20-8-17
Duchesne County, Utah

Dear Mr. Gerbig:

The Newfield Production Company (Newfield) request to convert the former Green River Formation Greater Boundary Federal No. 13-20-8-17 oil well to an enhanced recovery injection well in the Canvasback Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of this Authorization for Additional Well.

The addition of Greater Boundary Federal No. 13-20-8-17, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 Code of Federal Regulations (CFR) §144.33 (c) and terms of the Underground Injection Control (UIC) Canvasback Area Permit No. UT20855-00000, and subsequent Modifications.

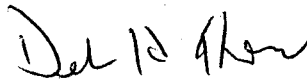
Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and Newfield has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 4123 feet and the top of the Wasatch Formation which is estimated to be 6544 feet.

Prior to receiving authorization to inject, the EPA requires approval the following: (1) the results of a **Part I (Internal) mechanical integrity test** (MIT), (2) a **pore pressure** calculation of the injection interval, and (3) a completed **EPA Form No. 7520-12** (Well Rework Record) with a new schematic diagram.

The initial Maximum Allowable Injection Pressure (MAIP) for the Greater Boundary Federal No. 13-20-8-17 was determined to be **1275 psig**. UIC Area Permit UT20855-00000 also provides the opportunity for the Permittee to request a change in the MAIP based upon results of a Step-Rate Test (SRT) that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Bob Near at (303) 312-6278 or 1.800.227.8917 (Ext. 312-6278). Please submit the required data to **Attention: Bob Near**, at the letterhead address, citing **MAIL CODE: 8P-W-GW** very prominently.

Sincerely,



for Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

encl: Authorization For Conversion of An Additional Well
EPA Form No. 7520-12 (Well Rework Record)
Schematic Diagram Proposed Conversion: Greater Boundary Federal No.13-20-8-17
Schematic Diagram Proposed P&A Plan: Greater Boundary Federal No. 13-20-8-17

cc: without enclosures

Curtis Cesspooch
Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Irene Cuch
Vice-Chairman
Uintah & Ouray Business Council
Ute Indian Tribe

Chester Mills
Superintendent
U.S. Bureau of Indian Affairs
Uintah & Ouray Indian Agency

Phillip Chimburas
Councilman
Uinta & Ouray Business Committee
Ute Indian Tribe

Ronald Grove
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Steven Cesspooch
Councilman
Uintah & Ouray Business Committee
Ute Indian Tribe

Frances Poowegup
Councilwoman
Uintah & Ouray Indian Reservation
Ute Indian Tribe

cc: with enclosures:

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

Lynn Becker
Director
Energy & Minerals Dept.
Ute Indian Tribe

Shaun Chapoose
Director
Land Use Dept.
Ute Indian Tribe

Gilbert Hunt
Associate Director
State of Utah – Natural Resources

Fluid Minerals Engineering Office
U.S. Bureau of Land Management
Vernal, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

RECEIVED

JUL 10 2007

DIV. OF OIL, GAS & MINING

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit No: UT20855-00000

The Canvasback Final Area Permit No. UT20855-00000, effective August 18, 2000, authorizes injection for the purpose of enhanced oil recovery into multiple lenticular sand units which are distributed throughout the Garden Gulch and Douglas Creek Members of the Green River Formation. By Major Permit Modification No.1, the Environmental Protection Agency (EPA) increased the authorized the enhanced recovery injection interval from the top of the Garden Gulch Member to the top of the Wasatch Formation. On December 12, 2006, the Permittee provided notice to the Director concerning the following additional enhanced recovery injection well:

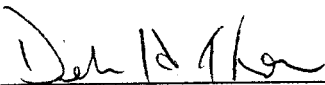
Well Name: Greater Boundary Federal No 13-20-8-17
EPA Permit I.D. UT20855-01568
Location: 592 ft FSL & 970 ft FWL
SW SW Sec. 20 - T8S - R17E
Duchesne County, Utah.

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20855-00000 authorizes the Permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20855-00000, and as modified. This Authorization shall expire one year after the Effective Date unless the Permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: JUL 2 2007


for **Stephen S. Tuber**
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20855-00000
Well: Greater Boundary Federal No 13-20-8-17. UT20855-01568

Printed on Recycled Paper

WELL-SPECIFIC REQUIREMENTS

Well Name: **Greater Boundary Fed 13-20-8-17**

EPA Well ID Number: **UT20855-01568**

Prior to commencing injection operations, the permittee shall submit the following information and receive written Authority to Inject from the Director:

1. a successful Part I (Internal) Mechanical Integrity test (MIT);
2. pore pressure calculation of the proposed injection zone; and
3. completed Well Rework Record EPA Form No. 7520-12 and schematic diagram.

Approved Injection Zone: Injection is approved between the top of the Garden Gulch Member of the Green River ((4123 feet (KB)) to the top of the Wasatch Formation, which is estimated to be 6544 feet (KB).

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is **1275 psig**, based on the following calculation:

MAIP = $[FG - (0.433)(SG)] * D$, where

FG = 0.71 psi/ft SG = 1.015 D = 4718 ft (top perforation depth KB)

MAIP = **1275 psig**

UIC Area Permit No. UT20855-00000 also provides the opportunity for the Permittee to request a change of the MAIP based upon results of a step rate test that demonstrates the formation breakdown pressure will not be exceeded.

Well Construction and Corrective Action: **No Corrective Action is required.**

Tubing 2-7/8" or similar size injection tubing is approved; the packer shall be set at
and Packer: a depth no more than 100 ft above the top perforation.

Corrective Action for Wells in Area of Review: **No Corrective Action is required.** The following wells that penetrate the confining zone are within or proximate to a 1/4 mile radius around the Greater Boundary Federal 13-20-8-17. Each well was evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Well: Greater Boundary 11-20-8-17	NE SW Sec. 20 - T8S - R17E
Well: Greater Boundary 14-20-8-17	SE SW Sec. 20 - T8S - R17E
Well: Tar Sands Fed 4-29-8-17	NW NW Sec. 29 - T8S - R17E

Demonstration of Mechanical Integrity: A successful demonstration of Part I (Internal) Mechanical Integrity using a standard Casing-Tubing pressure test is required prior to injection and at least once every five years thereafter. EPA reviewed the cement bond log and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR 146.8 (a)(2). Therefore, further demonstration of Part II (External) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility via financial Annual Statement that has been reviewed and approved by the EPA.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft above the top perforation at 4718 feet (KB) with a minimum 20 ft cement plug on top of the CIBP.

PLUG NO. 2: Squeeze a cement plug on the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Shale between approximately 3194 feet to 3397 feet. If pre-existing backside cement precludes cement-squeezing this interval then a minimum 203 foot balanced cement plug shall be placed inside the 5-1/2" casing from approximately 3194 feet to 3397 feet.

PLUG NO. 3: Squeeze a cement plug 2534 feet – 2634 feet on the backside of the 5-1/2" casing across the top of the Green River Formation. If pre-existing backside cement precludes cement-squeezing this interval then a minimum 100-foot balanced cement plug shall be placed inside the 5-1/2 casing from approximately 2534 feet to 2634 feet.

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 369 feet and up the 5-1/2' X 8-5/8" casings annulus to the surface.

Cut off surface and 5-1/2" casing at least 4 ft below ground level and set P&A marker; submit Sundry Notices and all necessary data as required by the EPA and other regulatory agencies.

Reporting of Noncompliance:

Authorization for Additional Well: UIC Area Permit UT20855-00000
Well: Greater Boundary Federal No 13-20-8-17. UT20855-01568

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting:

The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1.800.227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at 303.293.1788 if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting:

The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1.800.424.8802 or 202.267.2675**, or through the NRC website at **<http://www.nrc.uscg.mil/index.htm>**.

Other Noncompliance:

The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information:

Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

WELL-SPECIFIC CONSIDERATIONS

Well Name: **Greater Boundary Federal 13-20-8-17**

EPA Well ID Number: **UT20855-01568**

Underground Sources of Drinking Water (USDWs): USDWs in the Canvasback Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92*", the base of moderately saline ground water, within the Greater Boundary Federal 13-20-8-17 may be found at approximately 118 feet below ground surface.

http://NRWRT1.NR.STATE.UT.US: (Water Rights...Queries...POD). Within the one-quarter (1/4) mile Area-of-Review (AOR) around the Greater Boundary Federal No. 13-20-8-17 there are no reservoirs, streams, springs, domestic or agricultural water wells.

Confining Zone: The confining zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately forty-five (45) feet of shale between the depths of 4078 feet and 4123 feet (KB).

Injection Zone: The Injection Zone at this well location is an approximate 2421 feet of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 4123 feet (KB) to the top of the Wasatch Formation which is estimated to be 6544 feet (KB). All formation tops are based on correlation to the Federal No 1-26-8-17 (UT20702-04671) Type Log.

Well Construction: The CBL shows 80% cement bond across the confining zone (4078 feet to 4123 feet).

Surface casing: 8-5/8" casing is set at 319 feet (KB) in a 12-1/4" hole, using 160 sacks cement circulated to the surface.

Longstring casing: 5-1/2" casing is set at 6493 feet (KB) in a 7-7/8" hole and secured with 850 sacks of cement. Driller total Depth 6500 feet. Plugged back total depth is 6447 feet. EPA calculates top of cement at 991 feet. Estimated CBL top of cement is 170 feet.

Perforations: Top perforation: **4718 ft** (KB).

Bottom perforation: **6088 ft** (KB)

Wells in Area of Review (AOR): Construction and cementing records, including cement bond logs (CBL), as available, were reviewed for two (2) oil wells, and one plugged and abandoned oil well.

Only the Tar Sands Federal 4-29-8-17 and the P&A Greater Boundary 11-20-8-17 (P&A) lack evidence of adequate 80% bond within, or across, the Confining Zone. These two (2) locations will be monitored weekly for evidence of injectate fluid movement out of the injection zone to the surface. If contamination is observed at the surface, the Permittee will shut-in the Greater Boundary Federal 13-20-8-17 immediately and inform the Director. No injection into the Greater Boundary Federal 13-20-8-17 will be permitted until the Permittee has resolved the non-compliance, submitted Rework Records (EPA Form no. 7520-12) and a schematic diagram, and has received authority to commence injection from the Director.

Well: Greater Boundary 11-20-8-17 (P&A)	NE SW Sec. 20 - T8S - R17E
Well: Greater Boundary 14-20-8-17	SE SW Sec. 20 - T8S - R17E
Well: Tar Sands Federal 4-29-8-17	NW NW Sec. 29 - T8S - R17E

Greater Boundary Federal 13-20-8-17

Spud Date: 11/30/05
Put on Production: 12/9/05
GL: 5318' KB: 5330'

Initial Production: BOPD 52,
MCFD 43, BWPD 54

Proposed Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (309.28')
DEPTH LANDED: 319.28' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G" mixed cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 143 jts. (6495.03')
DEPTH LANDED: 6493.03' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sx Prem. Lite II mixed & 500 sx 50/50 POZ mix.
CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 189 jts (6064.93')
TUBING ANCHOR: 6074.93' KB
NO. OF JOINTS: 1 jt (31.38')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 6109.11' KB
NO. OF JOINTS: 2 jts (61.03')
TOTAL STRING LENGTH: EOT @ 6171.69' w/ 12' KB'

Base USDW

118'
Cement Top @ 170'

TOC/EPA 991'

3720'

80% Bond

4948'

FRAC JOB

12/27/05 6036'-6088' Frac C P1 & 2 sands as follows:
71,947# 20/40 sand in 589 bbls lightning
Frac 17 fluid. Treated @ avg press of 1833 psi
w/avg rate of 25 BPM. ISIP 2000 psi. Calc
flush: 6034 gal. Actual flush: 5502 gal.

12/27/05 5457'-5466' Frac B1 sands as follows:
34,729# 20/40 sand in 429 bbls lightning
Frac 17 fluid. Treated @ avg press of 1755 psi
w/avg rate of 25.1 BPM. ISIP 1800 psi. Calc
flush: 5455 gal. Actual flush: 4956 gal.

12/27/05 5330'-5337' Frac C sands as follows:
19,906# 20/40 sand in 304 bbls lightning Frac
17 fluid. Treated @ avg press of 1765 psi
w/avg rate of 25.1 BPM. ISIP 1500 psi. Calc
flush: 5328 gal. Actual flush: 4788 gal.

12/27/05 5138'-5148' Frac D1 sands as follows:
19,947# 20/40 sand in 324 bbls lightning Frac
17 fluid. Treated @ avg press of 1630 psi
w/avg rate of 25.1 BPM. ISIP 1680 psi. Calc
flush: 5136 gal. Actual flush: 4578 gal.

12/27/05 4718'-4727' Frac GB6 sands as follows:
31,669# 20/40 sand in 347 bbls lightning Frac
17 fluid. Treated @ avg press of 2043 psi
w/avg rate of 25 BPM. ISIP 1930 psi. Calc
flush: 4716 gal. Actual flush: 4704 gal.

2584' Green River

3244' Tirona

3325-3347 Mahogany
Bench

4078'-4123 Confining Zone

4123' Garden Gulch Member

Packer @ 4683'

4718'-4727'

5128 Douglas Grk. Mem.

5138'-5148'

5330'-5337'

5457'-5466'

6036'-6040'

6080'-6088'

PERFORATION RECORD

Date	Interval	Tool	Holes
12/19/05	6080'-6088'	4 JSPF	32 holes
12/19/05	6036'-6040'	4 JSPF	16 holes
12/27/05	5457'-5466'	4 JSPF	36 holes
12/27/05	5330'-5337'	4 JSPF	28 holes
12/27/05	5138'-5148'	4 JSPF	40 holes
12/27/05	4718'-4727'	4 JSPF	36 holes

Est. Top Basal Carb. 6419'

PBTD @ 6447'

SHOE @ 6493'

TD @ 6500'

NEWFIELD

Greater Boundary Federal 13-20-8-17
592' FSL & 970' FWL
SW/SW Section 20-T8S-R17E
Duchesne County, Utah
API #43-013-32734; Lease #UTU-76954

MC 11/20/06

Est. Top Wasatch 6544'

Greater Boundary Federal 13-20-8-17

Spud Date: 11/30/05

Put on Production: 12/9/05

GL: 5318' KB: 5330'

Proposed P & A
Wellbore DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 8 jts. (309.28')

DEPTH LANDED: 319.28' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx Class "G" mixed cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 143 jts. (6495.03')

DEPTH LANDED: 6493.03' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sx Prem. Lite II mixed & 500 sx 50/50 POZ mix.

CEMENT TOP AT: 170' 3194'-3397' Cement Plug

118'-Base USDW

Cement Top @ 170'

Pump 43 sx Class G Cement down 5 - 1/2" casing to 369'

Casing Shoe @ 319'

369'

TOC/EPA 991'

Green River 2584'

2534'-2634' Cement Plug

3244' Trona

3325-3347 Mahogany Bench

4078-4123 Confining Zone

4123 Garden Gulch Mem.

20' Class G Cement plug on top of CIBP

CIBP @ 4670'

4718'-4727'

5128' Douglas Crk. Mem.

5138'-5148'

5330'-5337'

5457'-5466'

6036'-6040'

6080'-6088'

Est. Top Basal Carb. 6419'

PBTD @ 6447'

SHOE @ 6493'

TD @ 6500'

Est. Top Wasatch 6544'

NEWFIELD



Greater Boundary Federal 13-20-8-17

592' FSL & 970' FWL

SW/SW Section 20-T8S-R17E

Duchesne County, Utah

API #43-013-32734; Lease #UTU-76954

MC 11/20/06

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-76954

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 592 FSL 970 FWL

OTR/OTR-SECTION: TOWNSHIP: RANGE: MERIDIAN: SWSW, 20, T8S, R17E

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
GREATER BOUNDARY II

8. WELL NAME and NUMBER:
GREATER BOUNDARY 13-20-8-17

9. API NUMBER:
4301332734

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

COUNTY: DUCHESNE

STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 01/30/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 1/30/2008.

One new interval was added, the CP3 sds 6139'-6149' 4 SPF 40 shots.

On 11/13/07 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 2/07/08. On 2/07/08 the csg was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 900 psi during the test. There was not an EPA representative available to witness the test.

Ut# 20855-01568

API # 43-013-32734

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Ross

TITLE Production Clerk

SIGNATURE

Callie Ross

DATE 02/12/2008

(This space for State use only)

RECEIVED
FEB 14 2008
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 02/07/08
Test conducted by: Dale Giles
Others present: _____

Well Name: <u>Greater Boundary Ed. 13-20-8-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Greater Boundary Unit</u>			
Location: _____	Sec: <u>20 T 8 N 18 R 17 E</u>	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>Newfield Production CO</u>			
Last MIT: <u>/ /</u>		Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☐ No
Initial test for permit? ☒ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

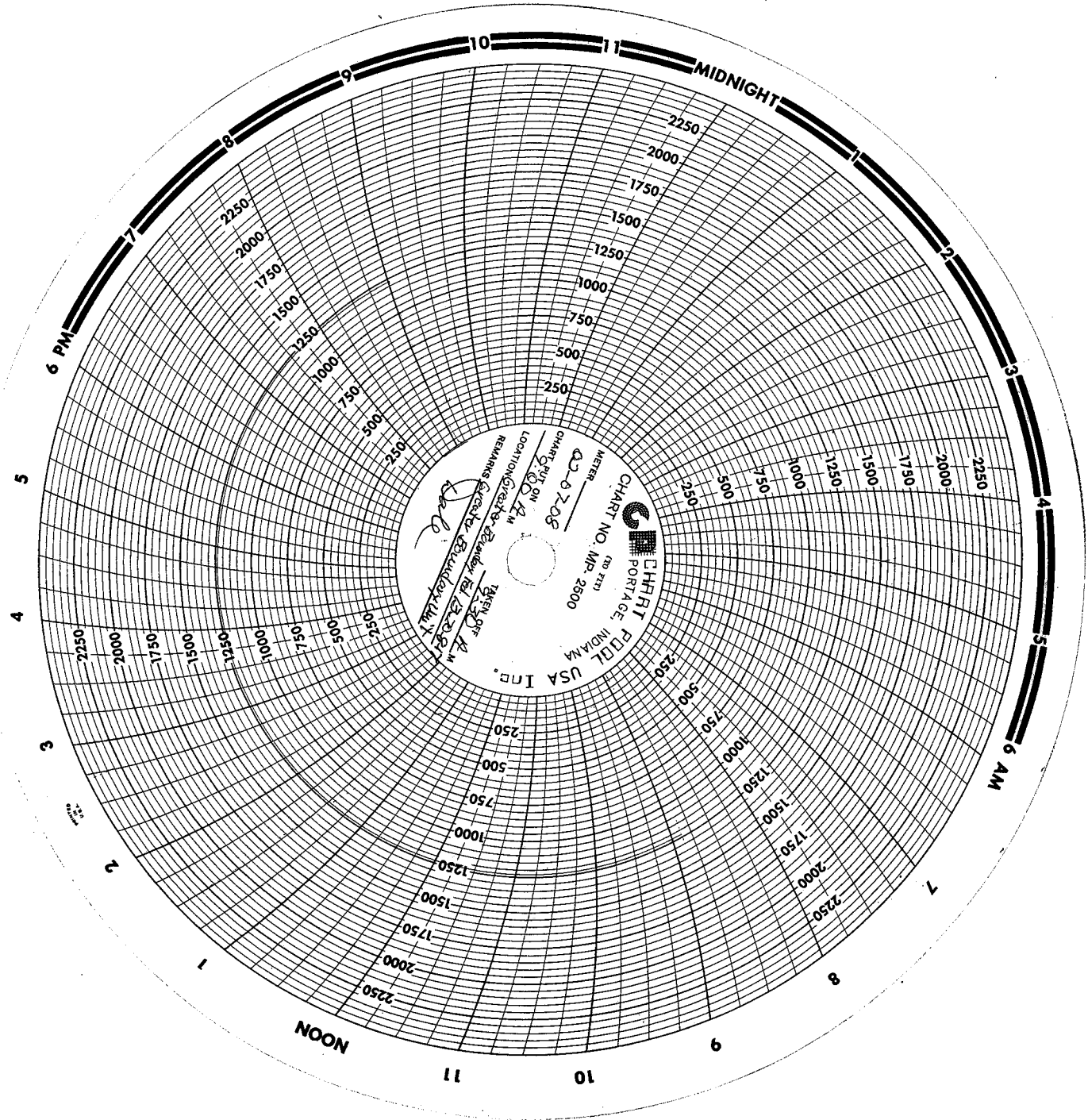
MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure		<u>900</u> psig	psig	psig
End of test pressure		<u>900</u> psig	psig	psig
CASING / TUBING		ANNULUS PRESSURE		
0 minutes		<u>1240</u> psig	psig	psig
5 minutes		<u>1240</u> psig	psig	psig
10 minutes		<u>1240</u> psig	psig	psig
15 minutes		<u>1240</u> psig	psig	psig
20 minutes		<u>1240</u> psig	psig	psig
25 minutes		<u>1240</u> psig	psig	psig
30 minutes		<u>1240</u> psig	psig	psig
_____ minutes		psig	psig	psig
_____ minutes		psig	psig	psig
RESULT		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Daily Activity Report

Format For Sundry

GRTR BNDRY 13-20-8-17**11/1/2007 To 3/29/2008****1/24/2008 Day: 1****Conversion**

NC #2 on 1/23/2008 - MIRU NC #2. Hot oiler had pumped 65 BW down csg @ 250°. RD pumping unit. Unseat rod pump. Flush tbg w/ 40 BW @ 250°. Soft seat rod pump & pressure test tbg to 3000 psi (good test). Wait for trailer. LD rods on trailer as detailed below. Flushed rods w/ additional 20 BW @ 250° halfway out of hole. X-over for tbg. ND wellhead. Release TAC. RU rig floor. PU 9 jts tbg from trailer & tag fill @ 6443'. TOO H w/ tbg used to tag. SDFN. There seemed to be a lot of scale on the csg walls making it difficult to tag fill & TOO H.

1/25/2008 Day: 2**Conversion**

NC #2 on 1/24/2008 - TOO H w/ tbg as detailed below (breaking collars & applying liquid O-ring to threads). Flush tbg w/ 20 BW @ 250° halfway out of hole. LD 47 jts J-55 tbg not needed for injection. RU Perforators LLC. RIH w/ 10' perf gun & perforate the CP3 sands from 6139-6149' @ 4 SPF. RD wireline truck. PU Weatherford HD packer. TIH w/ N-80 work string (PU from trailer, tallying & drifting). SDFN.

1/26/2008 Day: 3**Conversion**

NC #2 on 1/25/2008 - Set HD packer @ 6180' (w/ correction to open hole log). Fill tbg-csg annulus w/ 54 BW. RU BJ Services. 9 psi on well. Frac CP3 sds w/ 19,607#'s of 20/40 sand in 244 bbls of Lightning 17 fluid. Broke @ 4371 psi. Pumped 780 gals of fresh wtr mixed with 30 gals of Techni-Hib 767W. Treated w/ ave pressure of 3449 psi @ ave rate of 13.4 BPM. ISIP 1931 psi. Flowback well. Recovered 90 BW. Release HD packer & circulate well clean. TIH w/ tbg 6430' & found no fill. Flush tbg w/ 40 BW @ 250°. LD 207 jts N-80 tbg on trailer, LD HD packer. SDFN.

1/29/2008 Day: 4**Conversion**

NC #2 on 1/28/2008 - TIH w/ injection tbg as follows: Arrowset 1-X packer, SN, 2 7/8" X 6' tbg sub, 145 jts 2 7/8 J-55 tbg. Pump 10 BW & drop standing valve down tbg. Pump standing valve down & pressure test tbg to 3000 psi. Held pressure test for 30 minutes w/ 0 psi loss. RU sandline. RIH w/ fishing tool on sandline & retrieve standing valve. RU Perforators LLC. RIH w/ Gamma Ray & log tbg BHA. Wireline EOT is @ 4652'. RD wireline truck. RD rig floor. ND BOPs. Set Arrowset 1-X packer w/ CE @ 4681'. Fill tbg- csg annulus w/ 75 bbls packer fluid. Pressure annulus to 1300 psi. SDFN.

1/30/2008 Day: 5**Conversion**

NC #2 on 1/29/2008 - Thaw wellhead. Check tbg-csg annulus pressure (200 psi). Pressure annulus to 1400 psi. Bleed off gas & trapped air then re-pressure as needed, attempting to get a solid annulus test (w/o success). Leave well shut in w/ 1400 psi. SDFN.

1/31/2008 Day: 6**Conversion**

NC #2 on 1/30/2008 - Thaw wellhead. Check tbg-csg annulus pressure (200 psi).

Found small leak on wellhead- csg threads. ND wellhead. Tighten wellhead. NU wellhead. Pressure test annulus to 1400 psi. Held test for 1 hour w/ 0 psi loss. Wait to see if wind would die down enough to rig down. SDFN. Ready for MIT!

2/8/2008 Day: 7

Conversion

on 2/7/2008 - On 11/13/07 Dan Jackson with the EPA was contacted concerning the initial MIT on the above listed well (Greater Boundary 13-20-8-17). Permission was given at that time to perform the test on 2/07/08. On 2/07/08 the csg was pressured up to 1240 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 900 psi during the test. There was not an EPA representative available to witness the test. Ut# 20855-01568 API # 43-013-32734

Pertinent Files: Go to File List

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-76954

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GREATER BOUNDARY II
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: GREATER BOUNDARY 13-20-8-17
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 592 FSL 970 FWL		9. API NUMBER: 4301332734
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 20, T8S, R17E		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 06/19/2008	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put well on injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 1:00 PM on 6-19-08.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Kathy Chapman TITLE Office Manager
SIGNATURE *Kathy Chapman* DATE 06/19/2008

(This space for State use only)

RECEIVED

JUN 20 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUBMIT IN TRIPLICATE - Other Instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
592 FSL 970 FWL
SWSW Section 20 T8S R17E

5. Lease Serial No.

USA UTU-76954

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
GREATER BOUNDARY II

8. Well Name and No.
GREATER BOUNDARY 13-20-8-17

9. API Well No.
4301332734

10. Field and Pool, or Exploratory Area
MONUMENT BUTTE

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Step Rate Test _____
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

A step rate test was conducted on the subject well on November 4, 2008. Results from the test indicate that the fracture gradient is .695 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1205 psi.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Chevenne Bateman

Signature

Title

Well Analyst Foreman

Date

11/17/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

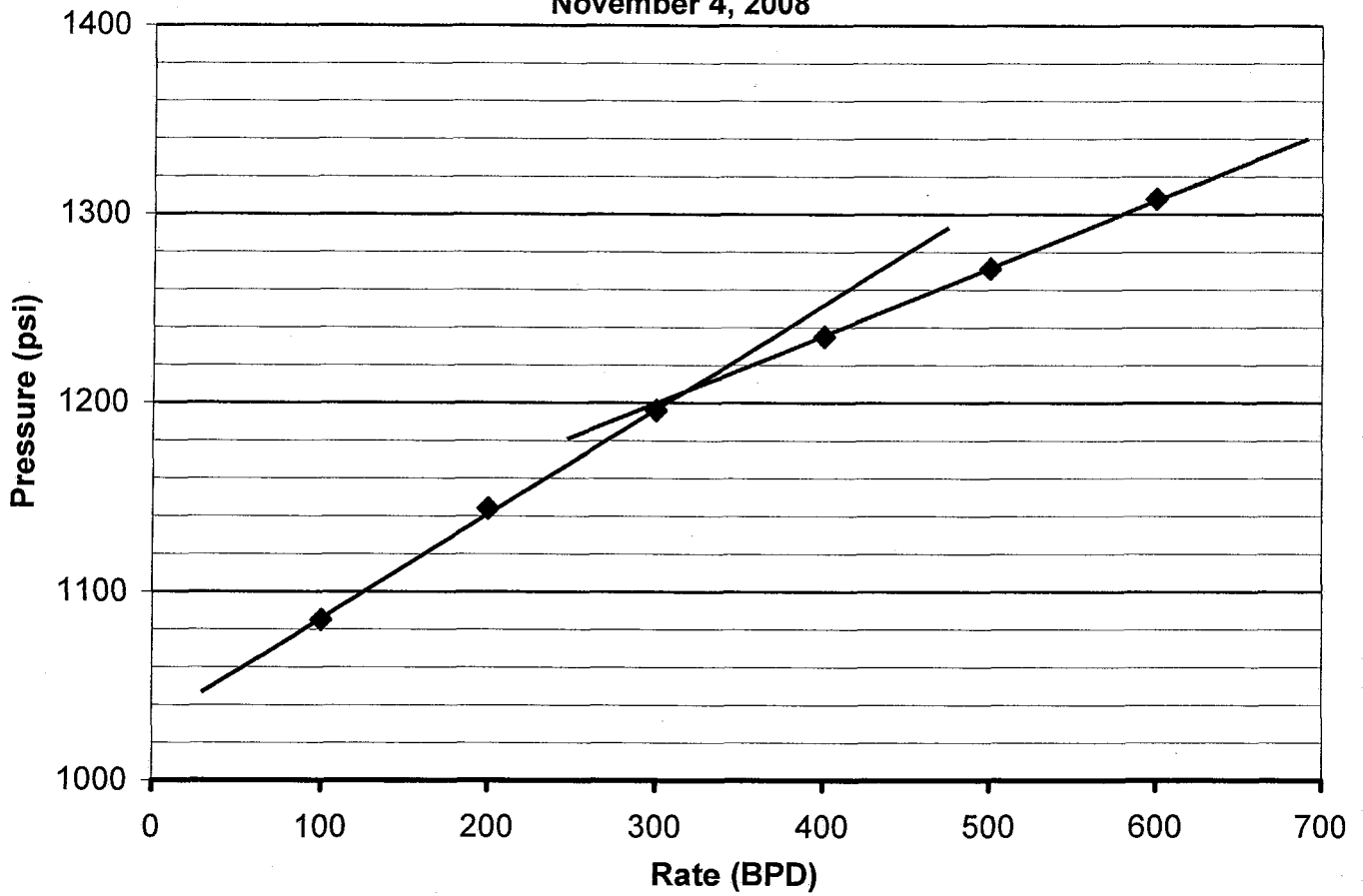
(Instructions on page 2)

RECEIVED

NOV 18 2008

DIV. OF OIL, GAS & MINING

Greater Boundary Federal 13-20-8-17
Greater Boundary II Unit
Step Rate Test
November 4, 2008



Start Pressure: 1042 psi
Instantaneous Shut In Pressure (ISIP): 1277 psi
Top Perforation: 4718 feet
Fracture pressure (Pfp): 1205 psi
FG: 0.695 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	100	1085
2	200	1144
3	300	1196
4	400	1235
5	500	1271
6	600	1308

PSIA

Absolute Pressure

Greater Boundary 13-20-8-17 SRT
(11/4/08)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA

1600

1600

1400

1400

1200

1200

1000

1000

800

800

09:15:56 AM
Nov 04, 2008
MST

11:00:42 AM
Nov 04, 2008
MST

12:45:28 PM
Nov 04, 2008
MST

02:30:14 PM
Nov 04, 2008
MST

04:15:00 PM
Nov 04, 2008
MST



Report Name:	PrTemp1000 Data Table
Report Date:	Nov 05, 2008 08:12:12 AM MST
File Name:	S:\W\elinfo\PTC@ Instruments 2.00\GB 13-20-8-17 SRT (11-4-08).csv
Title:	Greater Boundary 13-20-8-17 SRT (11/4/08)
Device:	PrTemp1000 - Temperature and Pressure Recorder
Hardware Revision:	REV2C (64K)
Serial Number:	M75866
Device ID:	PrTemp
Data Start Date:	Nov 04, 2008 09:29:59 AM MST
Data End Date:	Nov 04, 2008 04:00:00 PM MST
Reading Rate:	1 Minute
Readings:	1 to 79 of 79
Last Calibration Date:	May 21, 2008
Next Calibration Date:	May 21, 2009

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Nov 04, 2008 09:29:59 AM	1044.400	PSIA
2	Nov 04, 2008 09:34:59 AM	1044.000	PSIA
3	Nov 04, 2008 09:40:00 AM	1043.200	PSIA
4	Nov 04, 2008 09:44:59 AM	1043.800	PSIA
5	Nov 04, 2008 09:49:59 AM	1042.400	PSIA
6	Nov 04, 2008 09:55:00 AM	1042.400	PSIA
7	Nov 04, 2008 09:59:59 AM	1042.200	PSIA
8	Nov 04, 2008 10:05:00 AM	1058.000	PSIA
9	Nov 04, 2008 10:09:59 AM	1064.000	PSIA
10	Nov 04, 2008 10:14:59 AM	1068.200	PSIA
11	Nov 04, 2008 10:20:00 AM	1071.400	PSIA
12	Nov 04, 2008 10:25:00 AM	1073.600	PSIA
13	Nov 04, 2008 10:29:59 AM	1076.800	PSIA
14	Nov 04, 2008 10:35:00 AM	1078.200	PSIA
15	Nov 04, 2008 10:40:00 AM	1080.000	PSIA
16	Nov 04, 2008 10:45:00 AM	1081.400	PSIA
17	Nov 04, 2008 10:50:00 AM	1082.400	PSIA
18	Nov 04, 2008 10:55:00 AM	1084.600	PSIA
19	Nov 04, 2008 10:59:59 AM	1085.400	PSIA
20	Nov 04, 2008 11:04:59 AM	1104.600	PSIA
21	Nov 04, 2008 11:09:59 AM	1110.600	PSIA
22	Nov 04, 2008 11:14:59 AM	1117.000	PSIA
23	Nov 04, 2008 11:20:00 AM	1121.400	PSIA
24	Nov 04, 2008 11:24:59 AM	1125.600	PSIA
25	Nov 04, 2008 11:30:00 AM	1129.000	PSIA
26	Nov 04, 2008 11:35:00 AM	1132.000	PSIA
27	Nov 04, 2008 11:39:59 AM	1134.600	PSIA
28	Nov 04, 2008 11:44:59 AM	1137.000	PSIA
29	Nov 04, 2008 11:49:59 AM	1139.200	PSIA
30	Nov 04, 2008 11:54:59 AM	1141.200	PSIA
31	Nov 04, 2008 11:59:59 AM	1143.600	PSIA
32	Nov 04, 2008 12:04:59 PM	1159.600	PSIA
33	Nov 04, 2008 12:10:00 PM	1165.000	PSIA
34	Nov 04, 2008 12:14:59 PM	1169.400	PSIA
35	Nov 04, 2008 12:19:59 PM	1173.600	PSIA
36	Nov 04, 2008 12:24:59 PM	1176.000	PSIA
37	Nov 04, 2008 12:30:00 PM	1179.800	PSIA
38	Nov 04, 2008 12:34:59 PM	1182.000	PSIA
39	Nov 04, 2008 12:39:59 PM	1184.600	PSIA
40	Nov 04, 2008 12:44:59 PM	1187.000	PSIA
41	Nov 04, 2008 12:49:59 PM	1189.400	PSIA
42	Nov 04, 2008 12:54:59 PM	1193.200	PSIA
43	Nov 04, 2008 12:59:59 PM	1195.800	PSIA
44	Nov 04, 2008 01:05:00 PM	1208.200	PSIA
45	Nov 04, 2008 01:10:00 PM	1213.600	PSIA
46	Nov 04, 2008 01:15:00 PM	1217.400	PSIA
47	Nov 04, 2008 01:20:00 PM	1219.800	PSIA
48	Nov 04, 2008 01:25:00 PM	1222.000	PSIA
49	Nov 04, 2008 01:30:00 PM	1223.200	PSIA
50	Nov 04, 2008 01:35:00 PM	1225.400	PSIA
51	Nov 04, 2008 01:40:00 PM	1227.400	PSIA
52	Nov 04, 2008 01:45:00 PM	1228.800	PSIA
53	Nov 04, 2008 01:50:00 PM	1230.600	PSIA
54	Nov 04, 2008 01:55:00 PM	1232.800	PSIA
55	Nov 04, 2008 02:00:00 PM	1234.600	PSIA
56	Nov 04, 2008 02:05:00 PM	1249.400	PSIA
57	Nov 04, 2008 02:10:00 PM	1253.400	PSIA
58	Nov 04, 2008 02:15:00 PM	1258.600	PSIA
59	Nov 04, 2008 02:20:00 PM	1259.600	PSIA
60	Nov 04, 2008 02:25:00 PM	1261.600	PSIA

61	Nov 04, 2008 02:30:00 PM	1263.600	PSIA
62	Nov 04, 2008 02:35:00 PM	1265.200	PSIA
63	Nov 04, 2008 02:40:00 PM	1267.400	PSIA
64	Nov 04, 2008 02:45:00 PM	1268.200	PSIA
65	Nov 04, 2008 02:50:00 PM	1268.400	PSIA
66	Nov 04, 2008 02:55:00 PM	1269.800	PSIA
67	Nov 04, 2008 03:00:00 PM	1271.400	PSIA
68	Nov 04, 2008 03:05:00 PM	1285.400	PSIA
69	Nov 04, 2008 03:10:00 PM	1290.400	PSIA
70	Nov 04, 2008 03:15:00 PM	1293.800	PSIA
71	Nov 04, 2008 03:20:00 PM	1296.400	PSIA
72	Nov 04, 2008 03:25:00 PM	1299.200	PSIA
73	Nov 04, 2008 03:30:00 PM	1301.600	PSIA
74	Nov 04, 2008 03:35:00 PM	1301.400	PSIA
75	Nov 04, 2008 03:40:00 PM	1303.400	PSIA
76	Nov 04, 2008 03:45:00 PM	1304.200	PSIA
77	Nov 04, 2008 03:50:00 PM	1305.400	PSIA
78	Nov 04, 2008 03:54:59 PM	1307.000	PSIA
79	Nov 04, 2008 04:00:00 PM	1307.800	PSIA

PSIA

Absolute Pressure

Greater Boundary 13-20-8-17 ISIP
(11/4/08)

Device - PrTemp1000
Serial Number - M75866
Device ID - PrTemp

PSIA

1350

1300

1250

1200

1150

1350

1300

1250

1200

1150

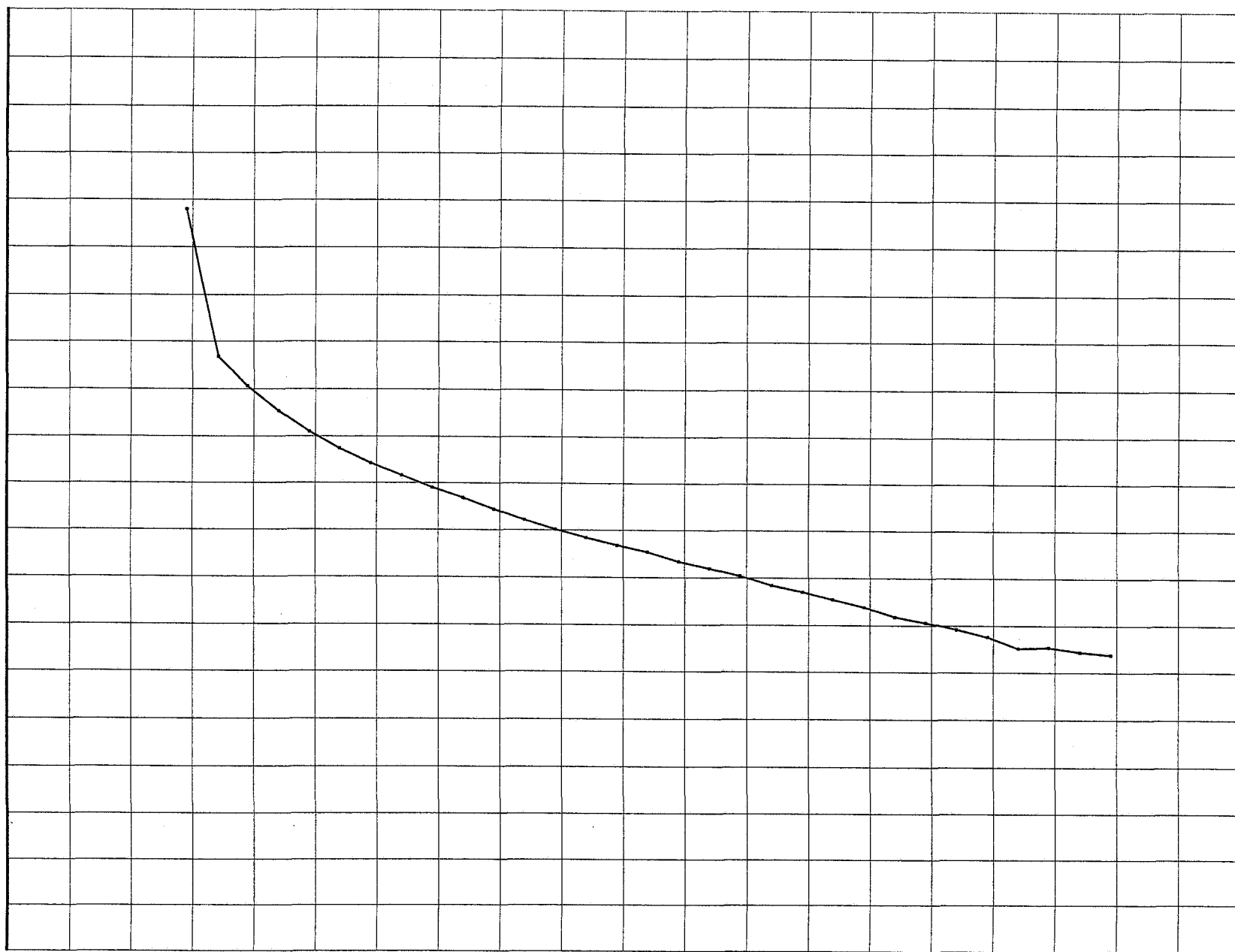
03:55:00 PM
Nov 04, 2008
MST

04:05:00 PM
Nov 04, 2008
MST

04:15:00 PM
Nov 04, 2008
MST

04:25:00 PM
Nov 04, 2008
MST

04:35:00 PM
Nov 04, 2008
MST



Report Name: PrTemp1000 Data Table
 Report Date: Nov 05, 2008 08:12:25 AM MST
 File Name: S:\Welinfo\PTC® Instruments 2.00\GB 13-20-8-17 ISIP (11-4-08).csv
 Title: Greater Boundary 13-20-8-17 ISIP (11/4/08)
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: M75866
 Device ID: PrTemp
 Data Start Date: Nov 04, 2008 04:00:48 PM MST
 Data End Date: Nov 04, 2008 04:30:48 PM MST
 Reading Rate: 1 Minute
 Readings: 1 to 31 of 31
 Last Calibration Date: May 21, 2008
 Next Calibration Date: May 21, 2009

<u>Reading</u>	<u>Date and Time (MST)</u>	<u>Absolute Pressure</u>	<u>Annotation</u>
1	Nov 04, 2008 04:00:48 PM	1308.000	PSIA
2	Nov 04, 2008 04:01:51 PM	1276.800	PSIA
3	Nov 04, 2008 04:02:47 PM	1270.600	PSIA
4	Nov 04, 2008 04:03:48 PM	1265.400	PSIA
5	Nov 04, 2008 04:04:48 PM	1261.000	PSIA
6	Nov 04, 2008 04:05:47 PM	1257.400	PSIA
7	Nov 04, 2008 04:06:48 PM	1254.200	PSIA
8	Nov 04, 2008 04:07:48 PM	1251.600	PSIA
9	Nov 04, 2008 04:08:48 PM	1249.000	PSIA
10	Nov 04, 2008 04:09:48 PM	1246.800	PSIA
11	Nov 04, 2008 04:10:48 PM	1244.400	PSIA
12	Nov 04, 2008 04:11:48 PM	1242.200	PSIA
13	Nov 04, 2008 04:12:48 PM	1240.200	PSIA
14	Nov 04, 2008 04:13:48 PM	1238.400	PSIA
15	Nov 04, 2008 04:14:48 PM	1236.800	PSIA
16	Nov 04, 2008 04:15:47 PM	1235.400	PSIA
17	Nov 04, 2008 04:16:48 PM	1233.400	PSIA
18	Nov 04, 2008 04:17:48 PM	1232.000	PSIA
19	Nov 04, 2008 04:18:47 PM	1230.400	PSIA
20	Nov 04, 2008 04:19:48 PM	1228.400	PSIA
21	Nov 04, 2008 04:20:48 PM	1227.000	PSIA
22	Nov 04, 2008 04:21:47 PM	1225.400	PSIA
23	Nov 04, 2008 04:22:48 PM	1223.800	PSIA
24	Nov 04, 2008 04:23:48 PM	1221.800	PSIA
25	Nov 04, 2008 04:24:48 PM	1220.600	PSIA
26	Nov 04, 2008 04:25:48 PM	1219.200	PSIA
27	Nov 04, 2008 04:26:48 PM	1217.600	PSIA
28	Nov 04, 2008 04:27:48 PM	1215.200	PSIA
29	Nov 04, 2008 04:28:47 PM	1215.400	PSIA
30	Nov 04, 2008 04:29:48 PM	1214.400	PSIA
31	Nov 04, 2008 04:30:48 PM	1213.800	PSIA

Greater Boundary 13-20-8-17 Rate Sheet (11-4-08)

Step # 1	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	100.3	100.2	100.2	100.3	100.3	100.2
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	100.2	100.2	100.1	100.1	100.1	100
Step # 2	Time:	11:05	11:10	11:15	11:20	11:25	11:30
	Rate:	200.5	200.4	200.4	200.4	200.3	200.3
	Time:	11:35	11:40	11:45	11:50	11:55	12:00
	Rate:	200.4	200.3	200.2	200.2	200.2	200.2
Step # 3	Time:	12:05	12:10	12:15	12:20	12:25	12:30
	Rate:	300.5	300.5	300.5	300.5	300.4	300.4
	Time:	12:35	12:40	12:45	12:50	12:55	1:00
	Rate:	300.3	300.3	300.3	300.2	300.2	300
Step # 4	Time:	1:05	1:10	1:15	1:20	1:25	1:30
	Rate:	400.7	400.7	400.5	400.5	400.5	400.4
	Time:	1:35	1:40	1:45	1:50	1:55	2:00
	Rate:	400.4	400.4	400.4	400.3	400.3	400.3
Step # 5	Time:	2:05	2:10	2:15	2:20	2:25	2:30
	Rate:	500.6	500.5	500.6	500.5	500.5	500.4
	Time:	2:35	2:40	2:45	2:50	2:55	3:00
	Rate:	500.4	500.4	500.3	500.3	500.3	500.1
Step # 6	Time:	3:05	3:10	3:15	3:20	3:25	3:30
	Rate:	600.4	600.3	600.3	600.4	600.4	600.3
	Time:	3:35	3:40	3:45	3:50	3:55	4:00
	Rate:	600.3	600.3	600.2	600.2	600.1	600.1
Step # 7	Time:						
	Rate:						
Step # 8	Time:						
	Rate:						

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76954
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: GB FED 13-20-8-17
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0592 FSL 0970 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 20 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013327340000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/11/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. NFX performed a 5 year MIT on the above listed well. On 01/11/2013 the casing was pressured up to 1320 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 777 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-07568		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 30, 2013		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 1/15/2013	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 1 / 11 / 13

Test conducted by: Cody Vanderlinden

Others present: Lynn Monson

Well Name: <u>Greater Boundary</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Greater Monumen / Butte</u>		
Location: <u>13</u> Sec: <u>20</u> T <u>6</u> N (S) R <u>17</u> E W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Newfield Exploration Company</u>		
Last MIT: <u> </u> / <u> </u> / <u> </u>	Maximum Allowable Pressure: <u>1475</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
 Initial test for permit? ☐ Yes ☒ No
 Test after well rework? ☐ Yes ☒ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: bpd

Pre-test casing/tubing annulus pressure: 0 psig

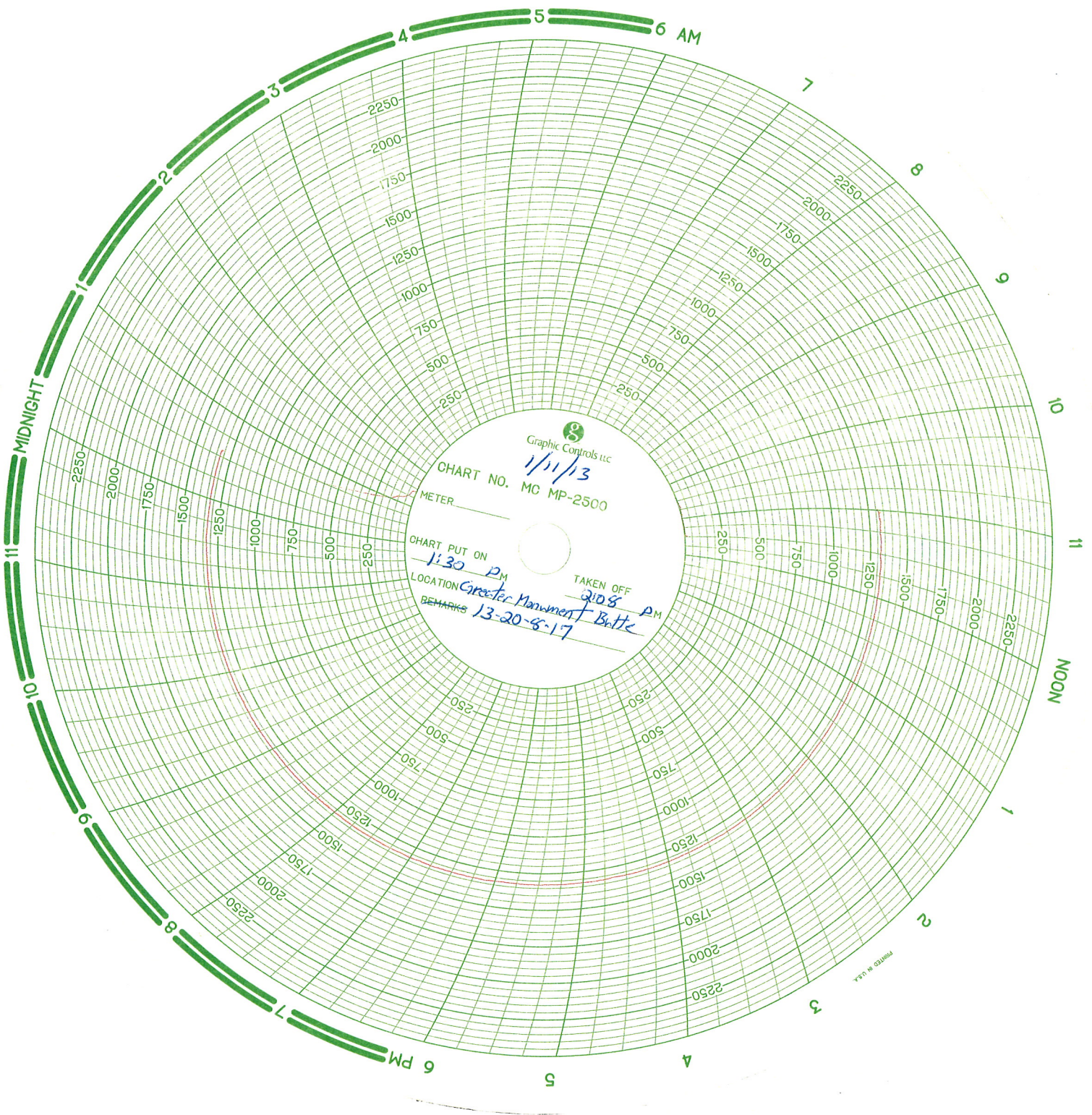
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>777</u> psig	psig	psig
End of test pressure	<u>777</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1320</u> psig	psig	psig
5 minutes	<u>1320</u> psig	psig	psig
10 minutes	<u>1320</u> psig	psig	psig
15 minutes	<u>1320</u> psig	psig	psig
20 minutes	<u>1320</u> psig	psig	psig
25 minutes	<u>1320</u> psig	psig	psig
30 minutes	<u>1320</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Greater Boundary Federal 13-20-8-17

Spud Date: 11/30/05
Put on Production: 12/9/05
GL: 5318' KB:5330'

Initial Production: BOPD 52,
MCFD 43, BWPD 54

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (309.28')
DEPTH LANDED: 319.28' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class "G" mixed cement, est 5 bbls cement to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 13.5#
LENGTH: 143 jts. (6495.03')
DEPTH LANDED: 6493.03' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sx Prem. Lite II mixed & 500 sx 50+50 POZ mix.
CEMENT TOP AT: 170'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 145 jts (4659.01')
SEATING NIPPLE: 2-7/8" (1.10")
SN LANDED AT: 4677.11' KB
TOTAL STRING LENGTH: EOT @ 4685.61' w/ 12' KB'

Cement Top @ 170'

Packer @ 4682'
EOT @ 4686'

4718'-4727'

5138'-5148'

5330'-5337'

5457'-5466'

6036'-6040'

6080'-6088'

6139'-6149'

PBTD @ 6447'

SHOE @ 6493'

TD @ 6500'

FRAC JOB

12/27/05 6036'-6088' **Frac CP1&2 sands as follows:**
71,947# 20/40 sand in 589 bbls lightning
Frac 17 fluid. Treated @ avg press of 1833 psi
w/avg rate of 25 BPM. ISIP 2000 psi. Calc
flush: 6034 gal. Actual flush: 5502 gal.

12/27/05 5457'-5466' **Frac B1 sands as follows:**
34,729# 20/40 sand in 429 bbls lightning
Frac 17 fluid. Treated @ avg press of 1755 psi
w/avg rate of 25.1 BPM. ISIP 1800 psi. Calc
flush: 5455 gal. Actual flush: 4956 gal.

12/27/05 5330'-5337' **Frac C sands as follows:**
19,906# 20/40 sand in 304 bbls lightning Frac
17 fluid. Treated @ avg press of 1763 psi
w/avg rate of 25.1 BPM. ISIP 1500 psi. Calc
flush: 5328 gal. Actual flush: 4788 gal.

12/27/05 5138'-5148' **Frac D1 sands as follows:**
19,947# 20/40 sand in 324 bbls lightning Frac
17 fluid. Treated @ avg press of 1630 psi
w/avg rate of 25.1 BPM. ISIP 1680 psi. Calc
flush: 5136 gal. Actual flush: 4578 gal.

12/27/05 4718'-4727' **Frac GB6 sands as follows:**
31,669# 20/40 sand in 347 bbls lightning Frac
17 fluid. Treated @ avg press of 2043 psi
w/avg rate of 25 BPM. ISIP 1930 psi. Calc
flush: 4716 gal. Actual flush: 4704 gal.

1/25/08 6139'-6149' **Frac CP3 sds as follows:**
w/19,607#s of 20/40 sand in 244 bbls of
Lightning 17 fluid. Broke @ 4371 psi. Pumped
780 gals of fresh water mixed with 30 gals of
Techni-Hib 767w. Treated w/avg pressure of
3449 psi @ avg rate of 13.4 BPM. ISIP 1931
psi.

1/30/08 **Well converted to an Injection well.**
2/12/08 **MIT completed and submitted.**

PERFORATION RECORD

Date	Interval	ISPF	Holes
12/19/05	6080'-6088'	4 ISPF	32 holes
12/19/05	6036'-6040'	4 ISPF	16 holes
12/27/05	5457'-5466'	4 ISPF	36 holes
12/27/05	5330'-5337'	4 ISPF	28 holes
12/27/05	5138'-5148'	4 ISPF	40 holes
12/27/05	4718'-4727'	4 ISPF	36 holes
1/25/08	6139'-6149'	4 ISPF	40 holes

NEWFIELD

Greater Boundary Federal 13-20-8-17

592' FSL & 970' FWL

SW/4 Section 20-T8S-R17E

Duchesne County, Utah

API #43-013-32734; Lease #UTU-76954